FACILITY PLANT & Whitney - Main St I.D. NO. CTD990672081

FILE LOC. R-5 OTHER ROMS # 2687 DRAFT

UNIT-SPECIFIC TECHNICAL MEMORANDUM: CRYOGENICS BUILDING &

CRYOGENICS BUILDING & UNDERGROUND STORAGE TANK

#### PRATT & WHITNEY, EAST HARTFORD, CT

**AREA:** South Klondike

**SUB-AREA:** Cryogenics

RDMS DocID 2687

**ENVIRONMENTAL UNIT:** Cryogenics Building and Underground Storage Tank

Location: In the South Klondike Area, this unit is located at the eastern end of the South Access Road from Perimeter Road (Drawing 1). The former Cryogenics Building was located at the end of the South Access Road. The former underground storage tank (UST) was located on the south side of the Cryogenics Building.

**Description:** The Cryogenics Building contained two test stands, a machine shop, a boiler room, electric pumps, and electric transformers. Specific information on the test operations for this area was not available. At a minimum, these test stands were used to conduct low-temperature tests. The Cryogenics Building was equipped with a washroom and toilet with a septic system located to the northwest of the building. The septic system consisted of a manhole and two septic tanks with separate leaching fields. A dry well was located northeast of the building and was connected to the building's floor drains. A drawing titled "Underground Facilities Cryogenic Test Building" (Pratt & Whitney Plant Engineering, January 1962) shows very specific information concerning the components of the septic system.

The former fuel oil UST, approximately 1,000-gallons in size, was located to the south of the Cryogenics Building. The UST provided fuel oil to the boiler room for the former building. The size and location of the UST was identified based on a facility fire protection map (Pratt & Whitney Plant Engineering, 1976). Presently, no evidence of the tank exists, while the foundation of the former building remains.

**Dates of Operation:** Approximately 1962 to 1993. The Cryogenics Building was built in approximately 1962 and remained in place until it was demolished in the early 1990's. The operation of the UST was presumed to parallel that of the building.

**Processes:** Supplied fuel oil to the boiler used for heating the Cryogenics Building. Specific information on the test operations for this area was not available. At a minimum, these test stands were used to conduct low-temperature tests.

Aerial Photographs: Large-scale aerial photographs for 1965, 1970, and 1975 were obtained from Keystone Aerial Surveys Inc. Eleven smaller aerial photographs were obtained from the Pratt and Whitney (P&W) Photographic Services Department. All of the large-scale aerial photographs and smaller aerial photographs reveal that the Cryogenics Building was an existing structure in the South Klondike Area as early as 1965. However, no evidence that would indicate a UST was observable.



Specific Contaminants of Concern: No. 2 fuel oil is the primary constituent of concern for the UST. For the building, the specific contaminants of concern are unknown. However, suspected materials include jet fuels, gasoline, waste oil, and solvents. In order to be as comprehensive as possible in the investigation that was conducted, the following constituent groups were analyzed for: volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), semivolatile organic compounds (SVOCs), and metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, nickel, and zinc).

**Potential Release Mechanism:** Impacts to soils and groundwater associated with potential spills or leaks associated with the use of fuels, oils, and solvents at the Cryogenics Building. Impacts to soils and groundwater associated with potential spills or leaks associated with tank filling and tank leakage from the bulk fuel oil storage tank.

#### INVESTIGATION AND REMEDIATION ACTIVITIES:

Due to the potential for a release associated with the former Cryogenics Building and the UST, several subsurface investigations were performed to determine the degree and extent of potential soil contamination in the vicinity of this unit. These investigations were performed in May 1993, September 1996, March 1997, and July and August 1997. Prior to 1993, no investigation of this unit had reportedly been performed. The investigations are presented below in chronological order.

### May 1993 Investigation (Metcalf and Eddy, Inc.):

**Description:** During May and July 1993, nine Geoprobe temporary polyvinyl chloride (PVC) wells-points, SK-GP-47 through SK-GP-55 and SK-GP-61, were installed in the vicinity of the Cryogenics Building and the former UST by Metcalf and Eddy, Inc. (M&E). The sampling locations are shown on Drawing 2. On May 27, 1993, Geoprobe well-point SK-GP-47 was installed to a depth between 6 to 8 feet and well-points SK-GP-48 through SK-GP-55 were installed to a depth between 7 to 9 feet. The next day, all of the well-points, except for SK-GP-51, were extended to a depth between 13 to 15 feet. During installation of the well-points, groundwater samples were collected and analyzed for VOCs. A summary of the samples collected and analyses performed is included in Table 1.

Investigation Results: Concentrations of constituents detected in groundwater samples collected for this unit are presented in Table 4. A complete summary of groundwater analytical results with detection limits is presented in Table 5. Detected concentrations at each groundwater sampling location are shown on Drawing 2. At least one of the following VOCs were detected in the groundwater samples from each well-point sampling location, cis-1,2-dichloroethylene (CDCE), 1,1-dichloroethylene (11DCE), tetrachloroethylene (PCE), trichloroethylene (TCE), and vinyl chloride (VC). The highest VOC concentration detected was for PCE at a concentration of 680 micrograms per liter ( $\mu$ g/l) in both of the groundwater samples, including a duplicate sample, from SK-GP-50.

**Data Evaluation and Conclusions:** The data were compared to the default numeric criteria included in the Connecticut Remediation Standard Regulation (RSR) and the site-wide background soil concentrations for various metals (Fuss & O'Neill, 1994). For a more detailed



discussion of background concentrations of metals in soil refer to *Technical Memorandum (TM)* 4, *Background Soil Sampling and Analysis*. Criteria are established in the RSR based on exposure pathways for various environmental media, including soil and groundwater. The evaluation of the soils data is based on a comparison to the default numeric residential direct exposure criteria (RDEC), the industrial/commercial direct exposure criteria (IDEC), and the GB pollutant mobility criteria (GBPMC) included in the RSR. The evaluation of the groundwater data is based on a comparison to the default numeric residential volatilization criteria (RVC), the industrial/commercial volatilization criteria (IVC), and the surface water protection criteria (SWPC) included in the RSR.

For the VOCs detected in the groundwater samples, 11DCE, PCE, and VC were detected at concentrations that exceeded the RVC. Of these constituents, VC was the only constituent detected at concentrations that also exceeded the IVC. PCE was the only constituent detected at concentrations that exceed the SWPC. The exceedances of the RVC, IVC, and the SWPC are shown in Table 7, Table 8, and Table 9, respectively.

The degree and extent of potential contamination in the vicinity of this unit has not been adequately characterized and further investigations are necessary. Based on the lack of soil data in the vicinity of the Cryogenics Building and the UST and the contamination of the groundwater in the vicinity this unit, additional soils and groundwater data were necessary to define the degree and extent of the contamination.

### September 1996 Investigation (Loureiro Engineering Associates, P.C.):

**Description:** On September 12 and 13, 1996, four soil borings, SK-SB-78 through SK-SB-81, were advanced in the vicinity of the former UST by Loureiro Engineering Associates, P.C. (LEA). The sampling locations are shown on Drawing 1. The boring locations were selected to provide coverage of the approximate footprint of the former UST. Soil samples were collected from the borings in continuous 2-foot intervals to 14 feet, with a 1-foot interval from 14 to 15 feet. The depth of 15 feet was selected to ensure that sufficient data were collected for comparisons to the direct exposure criteria of the RSR.

A total of 34 soil samples was submitted to the LEA Analytical Laboratory and screened for the presence of target VOCs, including benzene (BZ), ethylbenzene (EBZ), PCE, toluene (TL), 1,1,1-trichloroethane (TCA), TCE, and xylenes (XYL). Based on visual, olfactory, or instrument evidence, and with consideration of the potential release mechanism, two samples from each of the borings were submitted to Averill Environmental Laboratory, Inc. (AEL) for analysis. The samples were analyzed for the presence of VOCs, SVOCs, metals, and TPH.

In addition, groundwater samples were collected from the four borings on September 17, 1996 using Geoprobe<sup>®</sup> screenpoint groundwater sampling techniques. The groundwater samples were all collected from a depth of 11 to 12.5 feet below the ground surface. The groundwater samples were submitted to AEL for analysis for VOCs, SVOCs, metals, and TPH. A summary of the samples collected and analyses performed is included in Table 1.

**Investigation Results:** Based on the boring logs, groundwater was encountered at approximately 7 feet in all four borings. Varved clay was encountered at approximately 15 feet in all four



borings. No visual or olfactory evidence of contamination was noted on the boring logs. Particles of bituminous asphalt were observed to be mixed with the soil samples collected from boring SK-SB-80 at a depth of 0 to 2 feet.

Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations at each sampling location are shown on Drawing 1. PCE and TCE were detected in the soil samples submitted to the LEA Analytical Laboratory from borings SK-SB-79 through SK-SB-81. The highest VOC concentration detected was for PCE at a concentration of 63 micrograms per kilogram (µg/kg) in boring SK-SB-81 at a depth of 2 to 4 feet. With the exception of the PCE detection in boring SK-SB-81 at the 0 to 2 foot depth, all of the rest of the PCE detections had a "J" qualifier associated with the concentration. The "J" qualifier indicates that the concentration was estimated because it was below the method detection limit. Additionally, VOCs were not detected in the eight soil samples submitted to AEL for analysis.

Several SVOCs, including Benzo[a]anthracene (BA), benzo[a]pyrene (BAP), benzo[b]fluoranthene (BBF), benzo[k]fluoranthene (BKF), chrysene (CRYS), fluoranthene (FA), phenanthrene (PHN), and pyrene (PYR), were detected in boring SK-SB-80 at a depth of 0 to 2 feet. The only SVOC to be detected in SK-SB-81 was di-n-butyl phthalate (DBP) at a depth of 6 to 8 feet. The highest SVOC detected was DBP at a concentration of 2,000  $\mu$ g/kg in SK-SB-81 at a depth of 6 to 8 feet. SVOCs were not detected in the remaining soil samples submitted for fixed laboratory analysis.

One or more of the metals analyzed by AEL were detected in each of the soil samples submitted for analysis. These metals include arsenic, barium, chromium, and zinc. TPH was detected in one of the eight soil samples submitted for analysis to AEL. TPH was detected at a concentration of 159 milligrams per kilogram (mg/kg) in boring SK-SB-80 at a depth of 0 to 2 feet.

Concentrations of constituents detected in groundwater samples collected for this unit are presented in Table 4. A complete summary of groundwater analytical results with detection limits is presented in Table 5. Detected concentrations at each groundwater sampling location are shown in Drawing 2. Several VOCs, including PCE, CDCE, and TCE, were detected in the screenpoint groundwater samples. PCE was detected in all three samples. CDCE was only detected in the groundwater sample from SK-SB-80. The VOC detected at the highest concentration was TCE at 62 µg/l in the groundwater sample from SK-SB-81.

Bis(2-ethylhexyl)phthalate (DEHP) was the only SVOC detected in the groundwater samples. It was detected in SK-SB-79 at a concentration of 1.98 MDL  $\mu$ g/l. The "MDL" qualifier indicates that it was detected at a concentration below the method detection limit. TPH was not detected in any of the four groundwater samples submitted to AEL for analysis. One or more of the metals analyzed were detected in three of the four groundwater samples submitted to AEL for analysis. These metals include barium, cadmium, and zinc. Metals were not detected in the groundwater sample from SK-SB-80.



**Data Evaluation and Conclusions:** The data were compared to the default numeric criteria included in the RSR and the site-wide background soil concentrations for various metals. The concentrations of the metals detected in the soil samples are typical of background concentrations and are not indicative of a release from this unit. For the metals detected in soil, no exceedances of the RDEC or IDEC were noted.

For the VOCs, SVOCs, and metals detected in groundwater, no exceedances of the RVC, IVC, and SWPC were noted.

Considering the presence of VOCs, SVOCs, and TPH in the soil and VOCs in the groundwater collected for this unit, there is evidence that a possible release has occurred. The source for the VOCs detected is not likely to be the UST, but is likely to be related to the operations conducted in the vicinity of the Cryogenics Building. As for the source of the SVOCs, it is not likely to be from the UST, but is likely to be associated with particles of bituminous asphalt that were observed to be mixed with the soil from the soil boring. Based on the locations and depths, the source of the TPH does not appear to be the building, rather it appears to be associated with the fill material and/or bituminous asphalt documented on the boring logs. Nevertheless, with the VOCs, SVOCs, and TPH detected in soil, no exceedances of the RDEC, IDEC, and GBPMC were observed.

With respect to the evidence of soil contamination in the vicinity of this unit, additional soil and groundwater data were necessary to define the degree and extent of the contamination. Soils data were to be collected through the installation of additional borings to the depth of the top of the clay. Additional groundwater data were to be collected through the collection of Geoprobe screenpoint groundwater samples.

#### March 1997 Investigation (LEA):

**Description:** On April 8 through 11, 1997, fourteen soil borings, SK-SB-158 through SK-SB-171, were advanced in the general vicinity of the former Cryogenics Building. The sampling locations are shown on Drawing 1. The boring locations were selected to provide coverage of the approximate footprint and around the perimeter of the former building to determine whether a significant VOC source was present. Soil samples were collected from the borings in continuous 2-foot intervals to varved clay.

A total of 114 soil samples, including duplicates were submitted to the LEA Analytical Laboratory and screened for the presence of target VOCs. Based on visual, olfactory, or instrument evidence, and with consideration of the potential release mechanism, two samples, from each of the borings were submitted for fixed laboratory analysis. These soil samples were submitted to Environmental Science Service Laboratory (ESS) for analysis. Due to data validation issues, analytical results from ESS were deemed unusable for the Airport/Klondike Project. Subsequent to these concerns, ESS analytical results have not been considered within this Unit-Specific Technical Memorandum (USTM). A summary of the samples collected and analyses performed is included in Table 1.

In addition to the soil samples, groundwater samples were collected from the select borings using Geoprobe® screenpoint groundwater sampling techniques. These groundwater samples were also



submitted to ESS and as a result of the data validation issues the analytical results have not been considered within this USTM.

**Investigation Results:** Based on the boring logs, groundwater was encountered in the 4 to 6 foot interval in all of the borings. Varved clay was encountered in boring NK-SB-264 at a depth of 13 feet. For borings NK-SB-265 and NK-SB-266, varved clay was noted on the boring logs as being encountered at 12.2 and 12.5 feet, respectively. Varved clay was not encountered in boring NK-SB-267 as no soil was recovered from the 8 to 12 foot interval. Overall, no visual or olfactory evidence of contamination was noted on the boring logs. However, a dark brown stain was noted for the 6 to 8 foot interval in boring NK-SB-266, without any corresponding olfactory evidence of contamination.

Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations at each sampling location are shown on Drawing 1. PCE, TL, and XYL were detected in the soil samples submitted to the LEA Analytical Laboratory from boring NK-SB-267. The maximum concentrations of PCE, TL, and XYL detected were 20J  $\mu g/kg$ , 17E  $\mu g/kg$ , and 10J  $\mu g/kg$ , respectively. These three VOCs were detected at low concentrations, having either a "J" or "E" qualifiers associated with the concentrations. The "J" qualifier indicates that the value was estimated because the concentration was detected below the method detection limit (MDL), while the "E" qualifier indicates that the value was estimated because the concentration was outside of the calibration range.

Data Evaluation and Conclusions: The soil boring data were compared to the default numeric criteria included in the RSR. For the VOCs detected in soil, no exceedances of the RDEC, IDEC, or the GBPMC were noted. Considering the VOC data that was evaluated, little evidence exists that indicates a significant VOC source in the vicinity of this unit. However, due to the validation issues with the analytical results from ESS, additional sampling is necessary to adequately characterize the SVOCs and TPH in the soil the area. Additional soil or groundwater sampling for VOCs in the vicinity of the building is not warranted as the analytical data for soils from the LEA Analytical Laboratory does not indicate a significant VOC source in the vicinity of this unit.

With respect to the evidence of soil contamination in the vicinity of the former UST, additional soil and groundwater data were necessary to define the degree and extent of the contamination. Soils data were to be collected through the installation of additional borings to the depth of the top of the clay. Additional Groundwater data were to be collected through the collection of Geoprobe screenpoint groundwater samples.

### July and August 1997 Investigation (LEA):

**Description:** On July 30 and August 1, 1997, six soil borings, SK-SB-208 through SK-SB-213, were advanced to a depth of 16 feet in the vicinity of the former UST, as shown on Drawing 1. Soil samples were collected from the borings in continuous 2-foot intervals to 16 feet.

A total of 46 soil samples was submitted to the LEA Analytical Laboratory and screened for the presence of target VOCs. Considering visual, olfactory, or instrument evidence, and with



consideration of the potential release mechanism, three to four samples from each of the borings were submitted to Quanterra Inc. (QNT) and analyzed for the presence of VOCs, SVOCs, and TPH.

In addition, groundwater samples was also collected from the borings using Geoprobe® screenpoint groundwater sampling techniques. The groundwater samples were collected from a depth, ranging between 9 to 13 feet below the ground surface. The groundwater samples were submitted to the QNT for analysis of VOCs, SVOCs, and TPH. A summary of the samples collected and analyses performed is included in Table 1.

**Investigation Results:** Based on the boring logs, groundwater was encountered between 4 and 6 feet in the borings. Varved clay was encountered between 15 and 16 feet in the borings. No visual or olfactory evidence of petroleum hydrocarbons was noted on the boring logs. However, particles of bituminous asphalt were observed to be mixed with the soil within the top four feet of the surface.

Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations at each sampling location are shown on Drawing 1. VOCs detected in the soil samples submitted to the LEA Analytical Laboratory included TCE and PCE. The highest VOC concentration detected was PCE at 41  $\mu$ g/kg in boring SK-SB-213 at a depth of 0 to 2 feet. All of the other detections, except for the detections in SK-SB-213 at depths greater than 8 feet, had a "J" qualifier associated with the concentration. The "J" qualifier indicates that the concentration was estimated because it was below the MDL. The samples that were analyzed by QNT detected only PCE in SK-SB-213 at a concentration below the MDL.

Two SVOCs, FA and PYR at concentrations of 490  $\mu$ g/kg and 480  $\mu$ g/kg,, were detected in the soil sample collected from SK-SB-213 at a depth of 0 to 2 feet. SVOCs were not detected in the remaining soil samples. TPH was detected in the soil samples collected from boring SK-SB-09 and SK-SB-10 at a depth of 0 to 2 feet at concentrations 2,100 mg/kg and 550 mg/kg, respectively.

Concentrations of constituents detected in groundwater samples collected for this unit are presented in Table 4. A complete summary of groundwater analytical results with detection limits is presented in Table 5. PCE, at a concentration of 75 micrograms per liter ( $\mu$ g/l), was the only VOC detected in the groundwater samples analyzed and was detected in the sample collected from SK-SB-213. VOCs were not detected in the groundwater samples collected from SK-SB-212.

DEHP, was the only SVOC detected, at a concentration of 11 milligrams per liter (mg/l) in the groundwater sample collected from SK-SB-211. TPH was detected at a concentration of 1.0 mg/l in the groundwater sample collected from SK-SB-211. SVOCs and TPH were not detected in any of the remaining groundwater samples collected from SK-SB-208 through SK-SB-210, SK-SB-212, and SK-SB-213.

Data Evaluation and Conclusions: The data were compared to the default numeric criteria included in the RSR. For the VOCs detected in soil, no exceedances of the RDEC, IDEC, or the



GBPMC were noted. Considering the VOC analytical data, there is little evidence that indicates a significant VOC source in the vicinity of this unit. The concentration of SVOCs that were detected did not exceed the RDEC, IDEC, or GBPMC.

However, the concentration of TPH detected from SK-SB-209 and SK-SB-210, did exceed the RDEC and indicates that the soil may have been impacted by a potential release. This area was proposed to be remediated in the future. Soil with TPH concentrations above the RDEC is recommended for excavation to avoid the use of an environmental land use restriction (ELUR) in this area. Considering the above investigations, the remediation of the area near the TPH exceedances, including soil boring SK-SB-209 and SK-SB-210, has been proposed as part of the Klondike Soil Removal Project. Drawing 1 shows the approximate limits of the proposed excavation. After this quantity of soil has been removed, confirmational samples of the excavation sidewalls will be collected to confirm the removal of the material. The confirmational samples will be analyzed for VOCs, SVOCs, and TPH to confirm that the constituents detected have been removed. Subsequently, with the soil exceedances removed, this unit will have been adequately characterized and no further investigation will be warranted at this unit.

For the VOCs, SVOCs, and TPH detected in groundwater, no exceedances of the RVC, IVC, and SWPC were noted. Concerning the exceedance of the RVC, IVC, and SWPC for the aforementioned VOCs noted in the groundwater results for the previous investigations, these exceedances appeared to be attributable to other sources within the Cryogenics Area. With the removal of the septic tanks and the dry well, as discussed in the *Cryogenics Septic System and Dry Well USTM*, the potential impacts to groundwater from these units have been mitigated. For a more detailed account of the groundwater sampling and results that included Geoprobe screenpoint groundwater samples refer to *TM 3, Groundwater Sampling and Quality*. The groundwater exceedances appeared to be attributable to other activities associated with the Cryogenics Area and not the UST.

#### **REFERENCES:**

Keystone Aerial Surveys, Inc. 1965, Aerial Photo of Rentschler Airport and Surrounding Areas, East Hartford, CT.

Keystone Aerial Surveys, Inc. 1970, Aerial Photo of Rentschler Airport and Surrounding Areas, East Hartford, CT.

Keystone Aerial Surveys, Inc. 1975, Aerial Photo of Rentschler Airport and Surrounding Areas, East Hartford, CT.

Metcalf & Eddy, Inc. July 1993, Draft Report - Klondike Area Site Investigation, UTC / Pratt & Whitney Facility, East Hartford, CT, prepared for Pratt & Whitney.

P&W Photographic Services Department, 1969, *Aerial Photograph, Negative Number Z-36268*, Pratt & Whitney, East Hartford, CT.



P&W Photographic Services Department, 1970, *Aerial Photograph, Negative Number Z-39040*, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1977, Aerial Photograph, Negative Number 77445-0054AA, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1977, Aerial Photograph, Negative Number 77445-0054AC, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1977, Aerial Photograph, Negative Number 77445-0054-Al, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1977, Aerial Photograph, Negative Number 77445-0054-AE, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1977, Aerial Photograph, Negative Number 77445-0054AF, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1981, Aerial Photograph, Negative Number 81C11890-037, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1987, *Aerial Photograph, Negative Number 87C2398-121*, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1987, *Aerial Photograph, Negative Number 87C2398-120*, Pratt & Whitney, East Hartford, CT.

P&W Plant Engineering Department, 1976, Fire Protection System - East Hartford Plant, Pratt & Whitney Aircraft, Division of United Technologies Corp., East Hartford, CT.

P&W Plant Engineering Department, January 1962, *Underground Facilities Cryogenic Test Building*, Pratt & Whitney Aircraft, Division of United Technologies Corp., East Hartford, CT.

Peterson and Hoffman, April 1964, *Topo Survey for Proposed Industrial Site "E"*, completed for Pratt & Whitney Aircraft, Division of United Technologies Corp., East Hartford, CT.

**TABLES** 

Page 1 of 8

DRAFT

	Sample Information							An	alysis Info	rmation				
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SK-GP-47	1016906	5/27/93	6	8	GW	Х								
SK-GP-47	1016992	5/27/93	6	8	GW	Х								
SK-GP-47	1016993	5/27/93	6	8	GW		Х							
SK-GP-47	1016908	5/27/93	13	15	GW	X						1		
SK-GP-48	1016909	5/27/93	7	9	GW	Х								
SK-GP-48	1016910	5/28/93	13	15	GW	Х								
SK-GP-50	1016912	5/28/93	7	9	GW	X						<u> </u>		
SK-GP-50	1016913	5/28/93	13	15	GW	X								
SK-GP-50	1016914	5/28/93	13	15	GW		x						1	
SK-GP-50	1016994	5/28/93	13	15	GW	Х						T		
SK-GP-50	1016995	5/28/93	13	15	GW		X							•
SK-GP-52	1016916	5/27/93	7	9	GW	X								
SK-GP-52	1016917	5/27/93	13	15	GW	х								
SK-GP-53	1016918	5/27/93	7	9	GW	X								
SK-GP-53	1016919	5/27/93	7	9	GW		х							
SK-GP-53	1016996	5/27/93	7	9	GW	х								
SK-GP-53	1016997	5/27/93	7	9	GW	1	Х							
SK-GP-54	1016920	5/27/93	7	9	GW	х								
SK-GP-55	1016921	5/27/93	7	9	GW	x								
SK-GP-61	1016929	5/28/93	7	9	GW	Х								
SK-GP-61	1017002	5/28/93	7	9	GW	X								
SK-GP-61	1017003	5/28/93	7	9	GW		X							
SK-GP-61	1016931	5/28/93	15	17	GW	Х								
SK-GP-61	1017004	5/28/93	15	17	GW	X					1	1		
SK-GP-61	1017005	5/28/93	15	17	GW	<u> </u>	X					<del> </del>		
SK-SB-158	1631413	4/ 8/97	0	2	SB	х						1		
SK-SB-158	1631415	4/ 8/97	2	4	SB	х								
SK-SB-158	1631416	4/ 8/97	4	6	SB	x				ļ				
SK-SB-158	1631417	4/ 8/97	6	8	SB	х								
SK-SB-158	1631418	4/ 8/97	8	10	SB	х					1	· †	1	
SK-SB-158	1631419	4/ 8/97	10	12	SB	x							<del>                                     </del>	
	d. V. Analysed at le					<u> </u>								

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit



Page 2 of 8

**DRAFT** 

	Sam	ple Information	1			<del>T</del>	<del></del>	An	alysis Info	rmation				Page 2 of 8
Location ID	Sample ID	Sample Date		To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics		Pesticides	PCBs	Metals	Extraction	Miscellaneous
SK-SB-158	1631420	4/ 8/97	12	14	SB	х								
SK-SB-158	1631421	4/ 8/97	14	16	SB	х	ļ						<del> </del>	
SK-SB-159	1631422	4/ 8/97	0	2	SB	х	f						f	
SK-SB-159	1631423	4/ 8/97	2	4	SB	х		<del> </del>					<del></del>	
SK-SB-159	1631424	4/ 8/97	4	6	SB	х						<del> </del>	<del>                                     </del>	
SK-SB-159	1631425	4/ 8/97	6	8	SB	х	<del>                                     </del>					<del> </del>	<u> </u>	
SK-SB-159	1631426	4/ 8/97	8	10	SB	х	<del>                                     </del>							
SK-SB-159	1631427	4/ 8/97	10	12	SB	х	1	<del>                                     </del>						
SK-SB-159	1631428	4/ 8/97	12	14	SB	х	1						<del> </del>	1
SK-SB-159	1631429	4/ 8/97	14	16	SB	х							<del></del>	
SK-SB-160	1631432	4/ 9/97	0	2	SB	х								
SK-SB-160	1631433	4/ 9/97	2	4	SB	х								
SK-SB-160	1631434	4/ 9/97	4	6	SB	х								
SK-SB-160	1631435	4/ 9/97	4	6	SB	х			-					
SK-SB-160	1631436	4/ 9/97	6	8	SB	х			1			ļ — — <del>-</del>	<b> </b>	
SK-SB-160	1631437	4/ 9/97	8	10	SB	x						<del>                                     </del>		
SK-SB-160	1631438	4/ 9/97	10	12	SB	Х								
SK-SB-160	1631439	4/ 9/97	12	14	SB	х							<b> </b>	
SK-SB-160	1631440	4/ 9/97	14	16	SB	X								
SK-SB-161	1631441	4/ 9/97	0	2	SB	X								
SK-SB-161	1631442	4/ 9/97	2	4	SB	х						<u> </u>		
SK-SB-161	1631443	4/ 9/97	4	6	SB	X								
SK-SB-161	1631444	4/ 9/97	6	8	SB	X								
SK-SB-161	1631445	4/ 9/97	8	10	SB	х						<b> </b>		
SK-SB-161	1631446	4/ 9/97	10	12	SB	х		1.	<del> </del>					
SK-SB-161	1631447	4/ 9/97	12	14	SB	х								
SK-SB-161	1631448	4/ 9/97	14	16	SB	X			<u> </u>					
SK-SB-162	1631449	4/ 9/97	0	2	SB	X				T				
SK-SB-162	1631450	4/ 9/97	2	4	SB	X							T	
SK-SB-162	1631451	4/ 9/97	4	6	SB	X								
SK-SB-162	1631452	4/ 9/97	6	8	SB	X	<u> </u>							
SK-SB-162	1631453	4/ 9/97	8	10	SB	x								
			+		+	<del></del>	<del></del>	<del> </del>	<del>                                     </del>	<del></del>	<del> </del>	+	+	<del> </del>

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 07/17/98

LΕΔ

Page 3 of 8

DRAFT

	Sam	ple Informatior						An	alysis Info	rmation				
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SK-SB-162	1631454	4/ 9/97	10	12	SB	X					<del></del>			
SK-SB-162	1631455	4/ 9/97	12	14	SB	Х								
SK-SB-162	1631456	4/ 9/97	14	16	SB	х							· · · · · · · · · · · · · · · · · · ·	
SK-SB-163	1631457	4/ 9/97	0	2	SB	Х								
SK-SB-163	1631458	4/ 9/97	2	4	SB	Х						<del></del>		
SK-SB-163	1631459	4/ 9/97	4	6	SB	Х								
SK-SB-163	1631460	4/ 9/97	6	8	SB	X								
SK-SB-163	1631461	4/ 9/97	8	10	SB	X						<u> </u>		
SK-SB-163	1631462	4/ 9/97	10	12	SB	х								
SK-SB-163	1631463	4/ 9/97	12	14	SB	х								
SK-SB-163	1631464	4/ 9/97	14	16	SB	х								
SK-SB-164	1631465	4/ 9/97	0	2	SB	Х								
SK-SB-164	1631466	4/ 9/97	2	4	SB	Х								
SK-SB-164	1631467	4/ 9/97	4	6	SB	Х								
SK-SB-164	1631468	4/ 9/97	6	8	SB	X								
SK-SB-164	1631469	4/ 9/97	8	10	SB	X								
SK-SB-164	1631470	4/ 9/97	10	12	SB	X								
SK-SB-164	1631471	4/ 9/97	12	14	SB	X								
SK-SB-164	1631472	4/ 9/97	14	16	SB	х								
SK-SB-165	1631473	4/ 9/97	0	2	SB	X						1		
SK-SB-165	1631474	4/ 9/97	2	4	SB	X								
SK-SB-165	1631475	4/ 9/97	4	6	SB	X								
SK-SB-165	1631476	4/ 9/97	6	8	SB	X								
SK-SB-165	1631477	4/ 9/97	8	10	SB	X								
SK-SB-165	1631478	4/ 9/97	10	12	SB	х		<del>                                     </del>			<u> </u>			
SK-SB-165	1631479	4/ 9/97	12	14	SB	Х								
SK-SB-165	1631480	4/ 9/97	14	16	SB	x	<del> </del>					<del> </del>		
SK-SB-166	1631481	4/ 9/97	0	2	SB	х								
SK-SB-166	1631482	4/ 9/97	2	4	SB	х	<u> </u>							
SK-SB-166	1631483	4/ 9/97	4	6	SB	x					<del></del>	<del> </del>	<del> </del>	
SK-SB-166	1631484	4/ 9/97	6	8	SB	х								
SK-SB-166	1631485	4/ 9/97	8	10	SB	x	<del> </del>						<del> </del>	
						<u> </u>								

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit



Page 4 of 8

DRAFT

	Sam	ole Information							alysis Info	rmation		_		
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SK-SB-166	1631486	4/ 9/97	10	12	SB	X								
SK-SB-166	1631487	4/ 9/97	12	14	SB	х								
SK-SB-166	1631488	4/ 9/97	14	16	SB	х								
SK-SB-167	1631490	4/10/97	0.5	2.0	SB	X								
SK-SB-167	1631491	4/10/97	4	6	SB	Х								
SK-SB-167	1631492	4/10/97	6	8	SB	Х								
SK-SB-167	1631493	4/10/97	8	10	SB	Х								
SK-SB-167	1631494	4/10/97	10	12	SB	Х			* *************************************			,		
SK-SB-167	1631495	4/10/97	10	12	SB	Х								
SK-SB-167	1631496	4/10/97	12	14	SB	Х								
SK-SB-167	1631497	4/10/97	14	16	SB	х								
SK-SB-168	1631499	4/10/97	0.5	2	SB	X								
SK-SB-168	1631500	4/10/97	2	4	SB	Х								
SK-SB-168	1631501	4/10/97	4	6	SB	Х								
SK-SB-168	1631502	4/10/97	6	8	SB	X								
SK-SB-168	1631503	4/10/97	8	10	SB	Х					1			
SK-SB-168	1631504	4/10/97	10	12	SB	х								
SK-SB-168	1631505	4/10/97	12	14	SB	X								
SK-SB-168	1631506	4/10/97	14	16	SB	х								
SK-SB-169	1631507	4/10/97	0.5	2	SB	X								
SK-SB-169	1631508	4/10/97	2	4	SB	X								
SK-SB-169	1631509	4/10/97	4	6	SB	X								
SK-SB-169	1631510	4/10/97	6	8	SB	Х								
SK-SB-169	1631511	4/10/97	8	10	SB	Х								
SK-SB-169	1631512	4/10/97	10	12	SB	Х								
SK-SB-169	1631513	4/10/97	12	14	SB	Х								
SK-SB-169	1631514	4/10/97	14	16	SB	Х								
SK-SB-170	1631515	4/10/97	0.5	2	SB	Х								
SK-SB-170	1631516	4/10/97	2	4	SB	Х					<del> </del>	T		
SK-SB-170	1631517	4/10/97	4	6	SB	Х								
SK-SB-170	1631518	4/10/97	6	8	SB	Х								
SK-SB-170	1631519	4/10/97	8	10	SB	х								
			<del> </del>		1					<del> </del>	ļ	<del> </del>	<del> </del>	<del> </del>

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 07/17/98

LΕΔ

Page 5 of 8

DRAFT

		ple Information				<u> </u>			alysis Info					
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SK-SB-170	1631520	4/10/97	10	12	SB	Х								
SK-SB-170	1631521	4/10/97	12	14	SB	x								
SK-SB-170	1631522	4/10/97	14	16	SB	х								
SK-SB-171	1631525	4/11/97	0	2	SB	X								
SK-SB-171	1631526	4/11/97	2	4	SB	x						ļ		
SK-SB-171	1631527	4/11/97	4	6	SB	x							<u> </u>	
SK-SB-171	1631528	4/11/97	6	8	SB	х								
SK-SB-171	1631529	4/11/97	6	8	SB	X			) 					
SK-SB-171	1631530	4/11/97	8	10	SB	X								
SK-SB-171	1631531	4/11/97	10	12	SB	x						ļ ——		
SK-SB-171	1631532	4/11/97	12	14	SB	х						1		
SK-SB-171	1631533	4/11/97	14	16	SB	х						1		
SK-SB-208	1639663	7/30/97	0	2	SB	х	x	x					<del>                                     </del>	x
SK-SB-208	1639664	7/30/97	2	4	SB	х		x				1	<u> </u>	x
SK-SB-208	1639665	7/30/97	4	6	SB	x							<del> </del>	
SK-SB-208	1639666	7/30/97	6	8	SB	х						<del>                                     </del>		
SK-SB-208	1639667	7/30/97	8	10	SB	x	-						<del> </del>	
SK-SB-208	1639668	7/30/97	10	12	SB	x	x	x					<del>                                     </del>	x
SK-SB-208	1639669	7/30/97	10	12	SB	x	x	x				† — —	<b>†</b>	x
SK-SB-208	1639670	7/30/97	12	14	SB	x	<del>                                     </del>						<del> </del>	
SK-SB-208	1639671	7/30/97	14	16	SB	×						-		
SK-SB-208	1639731	8/ 1/97	9	13	GW		x	x					<del></del>	x
SK-SB-209	1639672	7/30/97	0	2	SPB	x	x	x				<del> </del>		x
SK-SB-209	1639673	7/30/97	2	4	SPB	×	<del>                                     </del>	x			<del> </del>	<del> </del>	<del> </del>	x
SK-SB-209	1639674	7/30/97	4	6	SB	x	ļ				ļ	<del> </del>	<del> </del>	<del></del>
SK-SB-209	1639675	7/30/97	6	8	SB		x	x				<del></del>		X
SK-SB-209	1639676	7/30/97	8	10	SB	x			-		<u> </u>	-	+	
SK-SB-209	1639677	7/30/97	10	12	SB	x						-		-
SK-SB-209	1639678	7/30/97	12	14	SB	x					-			·
SK-SB-209	1639679	7/30/97	14	16	SB	x					<u>}</u> -	-		+
SK-SB-210	1639680	7/30/97	0	2	SPB	- x	x	x				+	-	<del>-</del> <del>x</del> -
SK-SB-210	1639681	7/30/97	2	4	SPB	- x		X						X
	.037001							^			L			<u> </u>

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit



Table 1 DRAFT
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION

P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Sample Information **Analysis Information** Portable GC Volatile Organics | Semivolatile Organics | Herbicides | Pesticides | Location ID Sample ID Sample Date From (ft) To (ft) Class **PCBs** Metals Extraction Miscellaneous SK-SB-210 1639682 SB X SB SK-SB-210 1639683 7/30/97 8 х X х х 7/30/97 SK-SB-210 1639684 10 X SK-SB-210 1639687 7/30/97 16 SB 14 X SK-SB-211 1639698 8/ 1/97 2 SB X х х 6 SK-SB-211 1639700 8/ 1/97 SB X SK-SB-211 8 SB 1639701 8/ 1/97 X X SK-SB-211 1639702 8/ 1/97 10 SB X SK-SB-211 13 GW X 1639730 8/ 1/97  $\overline{\mathbf{x}}$ X SK-SB-211 1639703 8/1/97 10 12 SB X SK-SB-211 1639704 8/ 1/97 SB 10 12 X SK-SB-211 12 14 SB 1639705 8/1/97 X SK-SB-211 1639706 8/ 1/97 14 16 SB X SK-SB-212 1639707 8/1/97 2 SB X х SK-SB-212 1639708 8/ 1/97 4 SB X x X x SK-SB-212 1639709 8/ 1/97 6 SB X SK-SB-212 1639710 ŞB 8/1/97 8 X SK-SB-212 1639712 8/ 1/97 10 12 SB X SK-SB-212 1639713 8/ 1/97 12 14 SB X SK-SB-212 1639714 8/1/97 14 16 SB X SK-SB-213 1639715 8/ 1/97 2 SB X X  $\overline{\mathbf{x}}$ х SK-SB-213 1639716 X 8/1/97 4 SB x x SK-SB-213 X 1639717 8/ 1/97 6 SK-SB-213 1639718 SB X 8/1/97 8 SK-SB-213 1639719 8/ 1/97 10 X x х X SK-SB-213 1639729 GW 8/1/97 13 X X SK-SB-213 1639720 8/ 1/97 X 10 12 SK-SB-213 1639721 8/ 1/97 12 14 SB X SK-SB-213 1639722 8/1/97 14 16 SB x SK-SB-78 1017989 9/12/96 2 SB X SK-SB-78 1017990 4 9/12/96 SB X X х X SK-SB-78 1017991 9/12/96 4 SB X

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 07/17/98

LEΔ

Page 6 of 8

Page 7 of 8

DRAFT

		ple Information				1			alysis Info					
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SK-SB-78	1017992	9/12/96	4	6	SB	х								
SK-SB-78	1017993	9/12/96	6	8	SB	х	x	x				X		х
SK-SB-78	1017994	9/12/96	8	10	SB	х								
SK-SB-78	1017995	9/12/96	10	12	SB	x						ļ <del></del>		
SK-SB-78	1017996	9/12/96	12	14	SB	×								
SK-SB-78	1017997	9/12/96	14	15	SB	х								
SK-SB-78	1018045	9/17/96	11.0	12.5	GW		X	x				X		х
SK-SB-79	1018000	9/13/96	0	2	SB	х								
SK-SB-79	1018001	9/13/96	2	4	SB	x							†	
SK-SB-79	1018002	9/13/96	4	6	SB	х	x	x				X		х
SK-SB-79	1018003	9/13/96	6	8	SB	х								
SK-SB-79	1018004	9/13/96	6	8	SB	x							T	
SK-SB-79	1018005	9/13/96	8	10	SB	х	х	х		7.		X		х
SK-SB-79	1018006	9/13/96	10	12	SB	х								
SK-SB-79	1018007	9/13/96	12	14	SB	х	<u> </u>						<u> </u>	<del> </del>
SK-SB-79	1018008	9/13/96	14	15	SB	х				-				
SK-SB-79	1018044	9/17/96	11.0	12.5	GW		X	X				X		x
SK-SB-80	1018009	9/13/96	Ö	2	SB	Х	x	X				X	<del> </del>	X
SK-SB-80	1018010	9/13/96	2	4	SB	х			<del></del>			<u> </u>		<del>                                     </del>
SK-SB-80	1018011	9/13/96	4	6	SB	х						<u> </u>		
SK-SB-80	1018012	9/13/96	6	8	SB	X							<u> </u>	
SK-SB-80	1018013	9/13/96	8	10	SB	X	x	x				X	<del> </del>	x
SK-SB-80	1018014	9/13/96	10	12	SB	X						<del> </del>	<u> </u>	
SK-SB-80	1018015	9/13/96	12	14	SB	X						<del> </del>		
SK-SB-80	1018016	9/13/96	14	15	SB	х							-	<del> </del>
SK-SB-80	1018043	9/17/96	11.0	12.5	GW		x	x				x	1	x
SK-SB-81	1018017	9/13/96	0	2	SB	X			<u> </u>		<del> </del>	+		
SK-SB-81	1018018	9/13/96	2	4	SB	X	x	x			<del></del>	X		x
SK-SB-81	1018019	9/13/96	4	6	SB	$\overline{\mathbf{x}}$								
SK-SB-81	1018020	9/13/96	6	8	SB	X	x	x				X	<del> </del>	x
SK-SB-81	1018021	9/13/96	8	10	SB	X	<del> </del>				<del></del>			<del> </del>
SK-SB-81	1018022	9/13/96	10	12	SB	x	<del> </del>					+		<del> </del>

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit



# Table 1

DRAFT

# SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 8 of 8

		e Information	1			<u> </u>	,	An	alysis Info	rmation				
Location ID	Sample ID	Sample Date			Class		Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SK-SB-81	1018023	9/13/96	12	14	SB	X								
SK-SB-81	1018024	9/13/96	14	15	SB	х								
SK-SB-81	1018046	9/17/96	11.0	12.5	GW		X	x				X		x
***************************************						-								
						l						ļ		
	-					ļ								
						1							ĺ	1
						ł								
					1	ł	}		ļ		}	ļ		1
						ľ						İ		
						ŀ					;		İ	
							,				ļ			
			1		}	1					}			1
						l l			•		•		1	
												ļ		
						1	}	}			]			
					1	į.		Ì				1	Ì	
						ł	ł							
					1									
												1		
						[					1			
		ĺ			1	ľ					ĺ			
						)					}			
		1								}				
						1								
						İ								1
										•				
						i				1				

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 07/17/98

LEΔ

Page 1 of 17

							Page 1 of 1
Location ID	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-160	SK-SB-160	SK-SB-160
Sample ID	1631423	1631424	1631426	1631427	1631432	1631433	1631434
Sample Date	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/09/1997	04/09/1997	04/09/1997
Sample Time	14:45	14:55	15:10	15:15	09:00	09:05	09:15
Sample Depth	2' - 4'	4' - 6'	8' - 10'	10' - 12'	0' - 2'	2' - 4'	4' - 6'
Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
Lab, Number	97-2593-563	97-2594-564	97-2596-565	97-2597-567	97-2622-592	97-2625-595	97-2626-596
Units							
-	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/11/1997	04/11/1997	04/11/1997
-							
-							
mg/kg							
mg/kg							
mg/kg							
mg/kg							•
mg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg	269 nc	10 J	81	24 E	20 J	10 J	28 E
						20 J	10 J
	Sample ID Sample Date Sample Time Sample Depth Laboratory Lab. Number Units mg/kg mg/kg mg/kg mg/kg mg/kg  µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg	Sample ID 1631423 Sample Date 04/08/1997 Sample Time 14:45 Sample Depth 2'-4' Laboratory LEA Lab. Number 97-2593-563 Units - 04/10/1997 - mg/kg mg/kg mg/kg mg/kg mg/kg  µg/kg	Sample ID 1631423 1631424  Sample Date 04/08/1997 04/08/1997  Sample Time 14:45 14:55  Sample Depth 2' - 4' 4' - 6'  Laboratory LEA LEA  Lab. Number 97-2593-563 97-2594-564  Units - 04/10/1997 04/10/1997  - mg/kg mg/	Sample ID 1631423 1631424 1631426  Sample Date 04/08/1997 04/08/1997 04/08/1997  Sample Time 14:45 14:55 15:10  Sample Depth 2'-4' 4'-6' 8'-10'  Laboratory LEA LEA LEA  Lab. Number 97-2593-563 97-2594-564 97-2596-565  Units  - 04/10/1997 04/10/1997 04/10/1997  - mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg  mg/kg	Sample ID 1631423 1631424 1631426 1631427  Sample Date 04/08/1997 04/08/1997 04/08/1997  Sample Time 14:45 14:55 15:10 15:15  Sample Depth 2'-4' 4'-6' 8'-10' 10'-12'  Laboratory LEA LEA LEA LEA LEA  Lab. Number 97:2593-563 97:2594-564 97:2596-565 97:2597-567  Units	Sample ID       1631423       1631424       1631426       1631427       1631432         Sample Date       04/08/1997       04/10/1997       04/10/1997       04/10/1997       04/10/1997       04/10/1997       04/10/1997       04/10/1997       04/10/1997       04/10/1997       04/10/1997       04/10/1997       04/10/1997       04/10/1997       04/10/1997       04/10/1997       04/10/1997       04/10/1997       04/10/1997       04/10/1997       04/10/19	Sample ID   1631423   1631424   1631426   1631427   1631432   1631433

Notes: 1. Only Detects Shown



Page 2 of 17

								Page 2 of 17
	Location ID	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-161
	Sample ID	1631435	1631436	1631437	1631438	1631439	1631440	1631441
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	09:15	09:30	09:35	09:45	09:50	10:00	10:05
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'
	Laboratory	LEA						
	Lab. Number	97-2627-597	97-2628-598	97-2629-599	97-2630-600	97-2631-601	97-2632-602	97-2633-603
Constituent	Units							
Date Metals Analyzed	-						•	
Date Organics Analyzed	<u>-</u>	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997
Date Physical Analysed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg					_		
Barium	mg/kg							
Chromium	mg/kg							
Zinc	mg/kg							•
Total Petroleum Hydrocarbons	mg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Chrysene	μg/kg							
Di-n-butyl Phthalate	μg/kg		1					
Fluoranthene	μg/kg							
Phenanthrene	μg/kg							
Pyrene	μg/kg							
Benzene (screening)	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	22 E	42 E	70	74	219	20 J	32 E
Trichloroethylene (screening)	μg/kg	20 J						6 J
							- 1	

Notes: 1. Only Detects Shown



Page 3 of 17

								Page 3 of 17
	Location ID	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161
	Sample ID	1631442	1631443	1631444	1631445	1631446	1631447	1631448
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	10:15	10:20	10:30	10:35	10:45	10:50	10:55
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA						
	Lab. Number	97-2634-604	97-2635-605	97-2636-606	97-2637-607	97-2638-608	97-2639-609	97-2640-610
Constituent	Units							
Date Metals Analyzed								
Date Organics Analyzed	•	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997
Date Physical Analysed								
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg							
Chromium	mg/kg							
Zinc	mg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Chrysene	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Fluoranthene	μg/kg							
Phenanthrene	μg/kg							
Pyrene	μg/kg							
Benzene (screening)	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	328	417	213 nc	171	267	278	20 J
Trichloroethylene (screening)	μg/kg	189	30 J	9 Jnc	73	9 J	8 J	
		1						

Notes: 1. Only Detects Shown



Page 4 of 17

								Page 4 of 1
	Location ID	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162
	Sample ID	1631449	1631450	1631451	1631452	1631453	1631454	1631455
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	11:00	11:05	11:15	11:20	11:30	11:35	11:45
	Sample Depth	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2641-611	97-2642-612	97-2643-613	97-2644-614	97-2645-615	97-2646-616	97-2649-619
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/14/1997
Date Physical Analysed	•							
Date Semi-volatile Organics Analyzed	•							
Arsenic	mg/kg						,	
Barium	mg/kg							
Chromium	mg/kg							
Zinc	mg/kg							•
Total Petroleum Hydrocarbons	mg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Chrysene	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Fluoranthene	μg/kg							
Phenanthrene	μg/kg							
Pyrene	μg/kg							
Benzene (screening)	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	26 E	29 E	30 E	39 E	41 E nc	46 E	51
Trichloroethylene (screening)	μg/kg							
					· · · · · · · · · · · · · · · · · · ·			

Notes: 1. Only Detects Shown

2. Printed on 07/16/98

LEΔ

Page 5 of 17

								Page 5 of 1/
	Location ID	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-164
	Sample ID	1631457	1631458	1631459	1631460	1631461	1631462	1631465
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	12:15	12:20	12:30	12:35	12:45	12:50	13:20
	Sample Depth	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	0' - 2'
	Laboratory	LEA						
	Lab. Number	97-2651-621	97-2652-622	97-2653-623	97-2654-624	97-2656-626	97-2657-627	97-2660-630
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997
Date Physical Analysed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg							
Chromium	mg/kg							
Zinc	mg/kg							•
Total Petroleum Hydrocarbons	mg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Chrysene	μg/kg				7.17.4"-1			
Di-n-butyl Phthalate	μg/kg							
Fluoranthene	μg/kg							
Phenanthrene	μg/kg							
Pyrene	μg/kg							
Benzene (screening)	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	38 E	122	25 E	29 E	30 J nc	28 E nc	33 E
Trichloroethylene (screening)	μg/kg		37					

Notes: 1. Only Detects Shown

Page 6 of 17

			- <del> </del>			<del></del>	,	1 age 0 of 1
	Location ID	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-165
	Sample ID	1631466	1631467	1631468	1631469	1631470	1631471	1631473
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	13:25	13:35	13:40	13:50	13:55	14:00	14:25
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2661-631	97-2662-632	97-2663-633	97-2664-634	97-2665-635	97-2666-636	97-2673-643
Constituent	Units							
Date Metals Analyzed	•							
Date Organics Analyzed		04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997
Date Physical Analysed								
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg							
Chromium	mg/kg							
Zine	mg/kg							•
Total Petroleum Hydrocarbons	mg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Chrysene	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Fluoranthene	μg/kg							
Phenanthrene	μg/kg							
Pyrene	μg/kg							
Benzene (screening)	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	206 J	34 E	27 E	41 E	57	64 nc	10 J
Trichloroethylene (screening)	μg/kg	30 J						
		***************************************						
		-						
				<u> </u>				
		<del></del>				1		

Notes: 1. Only Detects Shown

2. Printed on 07/16/98

LΕΔ

Page 7 of 17

								rage / 01 1/
	Location ID	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-166	SK-SB-166
	Sample ID	1631474	1631475	1631476	1631477	1631479	1631481	1631486
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	14:30	14:40	14:45	14:55	15:10	15:20	15:50
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	8' - 10'	12' - 14'	0' - 2'	10' - 12'
	Laboratory	LEA						
	Lab. Number	97-2674-644	97-2675-645	97-2676-646	97-2677-647	97-2679-649	97-2681-651	97-2687-658
Constituent	Units							
Date Metals Analyzed								
Date Organics Analyzed	•	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997
Date Physical Analysed	•							
Date Semi-volatile Organics Analyzed	•							
Arsenic	mg/kg							
Barium	mg/kg							
Chromium	mg/kg							
Zinc	mg/kg							·
Total Petroleum Hydrocarbons	mg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Chrysene	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Fluoranthene	μg/kg							
Phenanthrene	μg/kg							
Pyrene	μg/kg							
Benzene (screening)	μg/kg			14				
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	122	5 J	10 J	20 J	41 E	30 E	101
Trichloroethylene (screening)	μg/kg							
		1					<del></del>	

Notes: 1. Only Detects Shown



Page 8 of 17

								1 agc 0 01 1
	Location ID	SK-SB-167						
	Sample ID	1631490	1631491	1631492	1631493	1631494	1631495	1631496
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	09:45	09:50	09:55	10:05	10:10	10:15	10:20
	Sample Depth	0.5' - 2.0'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	10' - 12'	12' - 14'
	Laboratory	LEA						
	Lab. Number	97-2692-663	97-2693-664	97-2694-665	97-2695-666	97-2696-667	97-2697-668	97-2698-699
Constituent	Units							
Date Metals Analyzed								
Date Organics Analyzed	-	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997
Date Physical Analysed	-							
Date Semi-volatile Organics Analyzed	•							
Arsenic	mg/kg							
Barium	mg/kg							
Chromium	mg/kg							
Zinc	mg/kg							•
Total Petroleum Hydrocarbons	mg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Chrysene	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Fluoranthene	μg/kg							
Phenanthrene	μg/kg							
Pyrene	μg/kg							
Benzene (screening)	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	47 E nc	177	107 nc	195	156 nc	141 nc	141 nc
Trichloroethylene (screening)	μg/kg							
		1						
	***************************************							

Notes: 1. Only Detects Shown



Page 9 of 17

							Page 9 of 1
Location ID	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168
Sample ID	1631499	1631500	1631501	1631502	1631503	1631504	1631505
Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
Sample Time	11:40	11:45	11:50	11:55	12:00	12:05	12:15
Sample Depth	0.5' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
Lab. Number	97-2701-672	97-2703-674	97-2704-675	97-2707-678	97-2708-679	97-2709-680	97-2710-681
Units							
-	04/14/1997	04/14/1997	04/14/1997	04/15/1997	04/15/1997	04/15/1997	04/15/1997
•							
-							
mg/kg							
mg/kg							
mg/kg							
mg/kg							•
mg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
	236	255 nc	94	147	244	197	193
~	3 J	10 J nc		5 J	10 J		
			<u> </u>				
	Sample ID Sample Date Sample Time Sample Depth Laboratory Lab. Number Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Sample ID 1631499  Sample Date 04/10/1997  Sample Time 11:40  Sample Depth 0.5' - 2'  Laboratory LEA  Lab. Number 97-2701-672  Units - 04/14/1997  - mg/kg m	Sample ID 1631499 1631500  Sample Date 04/10/1997 04/10/1997  Sample Time 11:40 11:45  Sample Depth 0.5' - 2' 2' - 4'  Laboratory LEA LEA  Lab. Number 97-2701-672 97-2703-674  Units - 04/14/1997 04/14/1997  - mg/kg m	Sample ID 1631499 1631500 1631501 Sample Date 04/10/1997 04/10/1997 04/10/1997 Sample Time 11:40 11:45 11:50 Sample Depth 0.5' - 2' 2' - 4' 4' - 6' Laboratory LEA LEA LEA LEA LEA LAB. Number 97-2701-672 97-2703-674 97-2704-675 Units - 04/14/1997 04/14/1997 04/14/1997 - mg/kg	Sample ID 1631499 1631500 1631501 1631502  Sample Date 04/10/1997 04/10/1997 04/10/1997 04/10/1997  Sample Time 11:40 11:45 11:50 11:55  Sample Depth 0.5' - 2' 2' - 4' 4' - 6' 6' - 8'  Laboratory LEA LEA LEA LEA LEA  Lab. Number 97-2701-672 97-2703-674 97-2704-675 97-2707-678  Units	Sample ID   1631499   1631500   1631501   1631502   1631503     Sample Date   04/10/1997   05/-2²   2²-4²   4²-6²   6²-8²   8²-10²   05/-2²   2²-4²   4²-6²   6²-8²   8²-10²   05/-2²   0	Sample ID   1631499   1631500   1631501   1631502   1631503   1631504

Notes: 1. Only Detects Shown



Page 10 of 17

								Page 10 01 1
	Location ID	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169
	Sample ID	1631507	1631508	1631509	1631510	1631511	1631512	1631513
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	13:30	13:35	13:40	13:45	13:55	14:00	14:05
	Sample Depth	0.5' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA						
	Lab. Number	97-2715-686	97-2716-687	97-2717-688	97-2718-689	97-2719-690	97-2720-691	97-2721-692
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	04/15/1997	04/15/1997	04/15/1997	04/15/1997	04/15/1997	04/15/1997	04/15/1997
Date Physical Analysed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg							
Chromium	mg/kg							
Zinc	mg/kg							•
Total Petroleum Hydrocarbons	mg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Chrysene	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Fluoranthene	μg/kg							
Phenanthrene	μg/kg							
Pyrene	μg/kg							
Benzene (screening)	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	2110	1890 nc	272	261	167	241	20 J
Trichloroethylene (screening)	μg/kg							

Notes: 1. Only Detects Shown

Page 11 of 17

								Page II of 17
	Location ID	SK-SB-169	SK-SB-170	SK-SB-170	SK-SB-170	SK-SB-170	SK-SB-170	SK-SB-170
	Sample ID	1631514	1631515	1631516	1631517	1631518	1631519	1631520
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	14:10	14:30	14:35	14:40	14:45	14:50	14:55
	Sample Depth	14' - 16'	0.5' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA						
	Lab. Number	97-2722-693	97-2723-694	97-2726-697	97-2727-698	97-2728-699	97-2729-700	97-2730-701
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	04/15/1997	04/15/1997	04/15/1997	04/15/1997	04/15/1997	04/15/1997	04/15/1997
Date Physical Analysed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg							
Chromium	mg/kg							
Zinc	mg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Chrysene	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Fluoranthene	μg/kg							
Phenanthrene	μg/kg							
Pyrene	μg/kg							
Benzene (screening)	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	8 J	367	20 J	20 J nc	37 E nc	38 E	27 E
Trichloroethylene (screening)	μg/kg							
							<del></del>	<del></del>

Notes: 1. Only Detects Shown



Page 12 of 17

								1 ago 12 01 1
	Location ID	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171
	Sample ID	1631525	1631526	1631527	1631528	1631529	1631530	1631531
	Sample Date	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997
	Sample Time	10:00	10:05	10:15	10:30	10:30	10:35	10:45
	Sample Depth	0' - 2'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA						
	Lab, Number	97-2735-706	97-2736-707	97-2737-708	97-2738-709	97-2740-711	97-2741-712	97-2742-713
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	•	04/15/1997	04/15/1997	04/15/1997	04/15/1997	04/15/1997	04/15/1997	04/15/1997
Date Physical Analysed	-							
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg							
Chromium	mg/kg							
Zinc	mg/kg							•
Total Petroleum Hydrocarbons	mg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Chrysene	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Fluoranthene	μg/kg							
Phenanthrene	μg/kg							
Pyrene	μg/kg							
Benzene (screening)	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	81	134	26 E	43 E	46 E	40 E	27 E nc
Trichloroethylene (screening)	μg/kg							
1 / 10 / 10 / 10 / 10 / 10 / 10 / 10 /								

Notes: 1. Only Detects Shown



Page 13 of 17

								1 agc 15 01 17
	Location ID	SK-SB-209	SK-SB-210	SK-SB-212	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213
	Sample ID	1639672	1639680	1639707	1639715	1639715	1639716	1639717
	Sample Date	07/30/1997	07/30/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	13:30	14:15	12:55	13:40	13:40	13:45	13:50
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	2' - 4'	4' - 6'
	Laboratory	QUAN	QUAN	LEA	LEA	QUAN	LEA	LEA
	Lab. Number	A7H070159010	A7H070159018	35-7524-1084	25-1202-102	A7H070170018	25-1203-103	25-1204-104
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-			08/04/1997	08/04/1997	08/14/1997	08/04/1997	08/04/1997
Date Physical Analysed	-	08/13/1997	08/13/1997					
Date Semi-volatile Organics Analyzed	-					08/21/1997		
Arsenic	mg/kg							
Barium	mg/kg							
Chromium	mg/kg							
Zinc	mg/kg							•
Total Petroleum Hydrocarbons	mg/kg	2100	550					
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Chrysene	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Fluoranthene	μg/kg					490		
Phenanthrene	μg/kg							
Pyrene	μg/kg					480		
Benzene (screening)	μg/kg							
Tetrachloroethylene	μg/kg					6.7 J		
Tetrachloroethylene (screening)	μg/kg			4 J	41		10 J	2 J
Trichloroethylene (screening)	μg/kg				7 J			

Notes: 1. Only Detects Shown

Page 14 of 17

								Page 14 of 1
	Location ID	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-78	SK-SB-78	SK-SB-79
	Sample ID	1639718	1639719	1639720	1639721	1017990	1017993	1018002
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	09/12/1996	09/12/1996	09/13/1996
	Sample Time	13:55	14:00	14:05	14:10	14:40	14:55	09:55
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	2' - 4'	6' - 8'	4' - 6'
	Laboratory	LEA	LEA	LEA	LEA	AEL	AEL	AEL
	Lab. Number	25-1205-105	25-1206-106	25-1207-107	25-1208-108	AEL96010359	AEL96010360	AEL96010414
Constituent	Units							
Date Metals Analyzed	-					09/24/1996	09/24/1996	09/24/1996
Date Organics Analyzed	-	08/04/1997	08/04/1997	08/04/1997	08/04/1997			
Date Physical Analysed	-							
Date Semi-volatile Organics Analyzed	•							
Arsenic	mg/kg							
Barium	mg/kg					7.27	10.2	10.4
Chromium	mg/kg					5.18	6.33	
Zinc	mg/kg					16.7	16.3	14.3
Total Petroleum Hydrocarbons	mg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Chrysene	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Fluoranthene	μg/kg							
Phenanthrene	μg/kg							
Pyrene	μg/kg							
Benzene (screening)	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	20 J	45	42	26			
Trichloroethylene (screening)	μg/kg							

Notes: 1. Only Detects Shown



Page 15 of 17

								Page 13 01 17
	Location ID	SK-SB-79	SK-SB-79	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80
	Sample ID	1018002	1018005	1018009	1018009	1018012	1018013	1018013
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	09:55	10:10	12:50	12:50	13:25	13:30	13:30
	Sample Depth	4' - 6'	8' - 10'	0' - 2'	0' - 2'	6' - 8'	8' - 10'	8' - 10'
	Laboratory	LEA	AEL	AEL	LEA	LEA	AEL	LEA
	Lab. Number	96-4617-576	AEL96010415	AEL96010416	96-4624-583	96-4627-586	AEL96010417	96-4627-587
Constituent	Units							
Date Metals Analyzed	- I-		09/24/1996	09/24/1996			09/24/1996	
Date Organics Analyzed		09/16/1996			09/16/1996	09/16/1996		09/16/1996
Date Physical Analysed	-			09/30/1996				
Date Semi-volatile Organics Analyzed	-			10/10/1996				
Arsenic	mg/kg			2.38				
Barium	mg/kg		9.06	35.5			11.7	
Chromium	mg/kg			10.3			7.01	
Zinc	mg/kg		14.7	36.2			18.4	•
Total Petroleum Hydrocarbons	mg/kg			159				
Benzo[a]anthracene	μg/kg			620				
Benzo[a]pyrene	μg/kg			500				
Benzo[b]fluoranthene	μg/kg			540				
Benzo[k]fluoranthene	μg/kg			430				
Chrysene	μg/kg			580				
Di-n-butyl Phthalate	μg/kg							
Fluoranthene	μg/kg			1300				
Phenanthrene	μg/kg			670				
Ругепе	μg/kg			1200				
Benzene (screening)	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	6 J			8 J	8 J nc		10 J nc
Trichloroethylene (screening)	μg/kg							1 J nc
				<del></del>	<del></del>			

Notes: 1. Only Detects Shown



Page 16 of 17

								1 age 10 01 1
	Location ID	SK-SB-80	SK-SB-80	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81
	Sample ID	1018014	1018015	1018017	1018018	1018018	1018019	1018020
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	13:35	13:40	14:00	14:10	14:10	14:20	14:25
	Sample Depth	10' - 12'	12' - 14'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	LEA	AEL	LEA	LEA	AEL
	Lab. Number	96-4628-588	96-4629-589	96-4631-591	AEL96010418	96-4633-593	96-4634-594	AEL96010419
Constituent	Units							
Date Metals Analyzed	-				09/24/1996			09/24/1996
Date Organics Analyzed	-	09/16/1996	09/16/1996	09/16/1996		09/16/1996	09/16/1996	
Date Physical Analysed	•							
Date Semi-volatile Organics Analyzed	-							10/10/1996
Arsenic	mg/kg				1.43			8.1
Barium	mg/kg				15.2			13.8
Chromium	mg/kg				8.11			6.27
Zinc	mg/kg				24.8			13.8
Total Petroleum Hydrocarbons	mg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Chrysene	μg/kg							
Di-n-butyl Phthalate	μg/kg							2000
Fluoranthene	μg/kg							
Phenanthrene	μg/kg							
Pyrene	μg/kg							
Benzene (screening)	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	5 J ne	6 J	23		63	7 J	
Trichloroethylene (screening)	μg/kg			3 Ј		5 J		

Notes: 1. Only Detects Shown



Page 17 of 17

							 Page 1/ of 1/
	Location ID	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81		
	Sample ID	1018020	1018021	1018022	1018023		
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	Ţ	
	Sample Time	14:25	14:35	14:45	14:50		
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'		
	Laboratory	LEA	LEA	LEA	LEA		
	Lab. Number	96-4635-593	96-4636-594	96-4637-595	96-4638-596		
Constituent	Units						
Date Metals Analyzed	-						
Date Organics Analyzed		09/16/1996	09/16/1996	09/16/1996	09/16/1996		
Date Physical Analysed	•						
Date Semi-volatile Organics Analyzed	-						
Arsenic	mg/kg						
Barium	mg/kg						
Chromium	mg/kg						
Zinc	mg/kg						
Total Petroleum Hydrocarbons	mg/kg						
Benzo[a]anthracene	μg/kg						
Benzo[a]pyrene	μg/kg						
Benzo[b]fluoranthene	μg/kg						
Benzo[k]fluoranthene	μg/kg						
Chrysene	μg/kg						
Di-n-butyl Phthalate	μg/kg						
Fluoranthene	μg/kg						
Phenanthrene	μg/kg						
Pyrene	μg/kg						
Benzene (screening)	μg/kg						
Tetrachloroethylene	μg/kg						
Tetrachloroethylene (screening)	μg/kg	20 J	10 J	20 J	6 J		
Trichloroethylene (screening)	μg/kg						
						<del></del>	 †

Notes: 1. Only Detects Shown



### Table 3

### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 1 of 24
	Location ID	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158
	Sample ID	1631413	1631415	1631416	1631417	1631418	1631419	1631420
	Sample Date	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997
	Sample Time	13:15	13:20	13:30	13:35	13:45	13:50	14:00
	Sample Depth	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2581-552	97-2582-553	97-2585-556	97-2583-557	97-2584-555	97-2586-559	97-2589-560
Constituent	Units							
Date Metals Analyzed								
Date Organics Analyzed		04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
Date Physical Analysed								
Date Semi-volatile Organics Analyzed								
Dinoseb	μg/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg							
Aramite	μg/kg							
Dibromo-3-chloropropane,1,2-	μg/kg							
Dimethoate	μg/kg							
Disulfoton	μg/kg							
Famphur	μg/kg							
Phorate	μg/kg	1						
Total Petroleum Hydrocarbons	mg/kg				<del></del>			<del></del>
Acenaphthene	μg/kg	<u> </u>						
Acenaphthylene	μg/kg					<del></del>		
Acetophenone	μg/kg				<del>                                     </del>			
Aminobiphenyl,4-	μg/kg							
Aniline	μg/kg	<del></del>		+				
A ALEPONOT	P5*5	<del></del>			<del></del>			_ <del>  •</del>

Notes: 1. Printed on 07/16/98



Page 2 of 248

								Page 2 01 2
	Location ID	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158
	Sample ID	1631413	1631415	1631416	1631417	1631418	1631419	1631420
	Sample Date	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997
	Sample Time	13:15	13:20	13:30	13:35	13:45	13:50	14:00
	Sample Depth	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA						
	Lab. Number	97-2581-552	97-2582-553	97-2585-556	97-2583-557	97-2584-555	97-2586-559	97-2589-560
Constituent	Units							
Anthracene	μg/kg							
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[ghi]perylene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Benzyl Aicohol	μg/kg							
Bis(2-chloroethoxy)methane	μg/kg							
Bis(2-chloroethyl) Ether	μg/kg							
Bis(2-ethylhexyl)phthalate	μg/kg							
Bromophenyl Phenyl Ether,4-	μg/kg							
Butyl Benzyl Phthalate	μg/kg							
Carbazole	μg/kg							
Chloro-m-cresol,p-	μg/kg							
Chloroaniline,4-	μg/kg							
Chloronaphthalene,2-	μg/kg							
Chlorophenol,2-	μg/kg							
Chlorophenyl Phenyl Ether,4-	μg/kg							
Chrysene	μg/kg							
Cresol,2-	μg/kg							
Cresol,3-	μg/kg							
Cresol,4-	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Di-n-octyl Phthalate	μg/kg							
Dibenzo[a,h]anthracene	μg/kg							
Dibenzofuran	μg/kg							
Dichloro-2-butylene, 1,4-trans-	μg/kg							

Notes: 1. Printed on 07/16/98

LEA

### Table 3

#### DRAFT

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 3 of 248
	Location ID	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158
	Sample ID	1631413	1631415	1631416	1631417	1631418	1631419	1631420
	Sample Date	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997
	Sample Time	13:15	13:20	13:30	13:35	13:45	13:50	14:00
	Sample Depth	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA						
	Lab. Number	97-2581-552	97-2582-553	97-2585-556	97-2583-557	97-2584-555	97-2586-559	97-2589-560
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg							
Dichlorophenol,2,4-	μg/kg							
Diethyl Phthalate	μg/kg							
Dimethyl Phthalate	μg/kg							
Dimethylaminoazobenzene,4-	μg/kg							
Dimethylbenzidine,3,3'-	μg/kg							
Dimethylbenzo[a]anthracene,7,12-	μg/kg							
Dimethylphenethylamine,alpha,alpha-	μg/kg							
Dimethylphenol,2,4-	μg/kg							
Dinitro-o-cresol,4,6-	μg/kg							
Dinitrobenzene,1,3-	μg/kg							
Dinitrophenol,2,4-	μg/kg							
Dinitrotoluene,2,4-	μg/kg							
Dinitrotoluene,2,6-	μg/kg							
Diphenylamine	μg/kg							
Diphenylhydrazine, 1,2-	μg/kg							
Ethyl Methanesulfonate	μg/kg							
Fluoranthene	μg/kg							
Fluorene	μg/kg							
Hexachlorobenzene	μg/kg							
Hexachlorobutadiene	μg/kg							
Hexachlorocyclopentadiene	μg/kg							
Hexachloroethane	μg/kg							
Hexachloropropylene	μg/kg							
Indeno(1,2,3-cd)pyrene	μg/kg							_
Isophorone	μg/kg							
Isosafrole	μg/kg							
Methapyrilene	μg/kg							
Notes: 1 Printed on 07/16/09								



### Table 3 DRAFT SUMMARY OF ANALYTICAL RESULTS - SOIL

### P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 4 of 248

								Page 4 of 24
	Location ID	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158
	Sample ID .	1631413	1631415	1631416	1631417	1631418	1631419	1631420
	Sample Date	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997
	Sample Time	13:15	13:20	13:30	13:35	13:45	13:50	14:00
	Sample Depth	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA						
	Lab. Number	97-2581-552	97-2582-553	97-2585-556	97-2583-557	97-2584-555	97-2586-559	97-2589-560
Constituent	Units							
Methyl Methanesulfonate	μg/kg							
Methylcholanthrene,3-	μg/kg							
Methylnaphthalene,2-	μg/kg							
N-nitroso-di-n-butylamine	μg/kg							
N-nitroso-n-propylamine	μg/kg							
N-nitrosodiethylamine	μg/kg							
N-nitrosodimethylamine	μg/kg							
N-nitrosodiphenylamine	μg/kg							
N-nitrosomethylethylamine	μg/kg							
N-nitrosomorpholine	μg/kg							
N-nitrosopiperidine	μg/kg							
Naphthalene	μg/kg							
Naphthoquinone, 1,4-	μg/kg							
Naphthylamine, alpha-	μg/kg							
Naphthylamine,beta-	μg/kg							
Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,2-	μg/kg							
Nitroaniline,3-	μg/kg							
Nitroaniline,4-	μg/kg	<u> </u>						
Nitrobenzene	μg/kg							
Nitrophenol,2-	μg/kg							
Nitrophenol,4-	μg/kg							
Nitroquinoline-1-oxide,4-	μg/kg							
Nitrosopyrrolidine,n-	μg/kg							
Pentachlorophenol	μg/kg							
Phenacetin	μg/kg							
Phenanthrene	μg/kg							
Phenol	μg/kg							
otas: 1 Printed on 07/16/09		I						

DRAFT

#### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 5 of 24
	Location ID	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158
	Sample ID	1631413	1631415	1631416	1631417	1631418	1631419	1631420
	Sample Date	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997
	Sample Time	13:15	13:20	13:30	13:35	13:45	13:50	14:00
	Sample Depth	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA						
	Lab. Number	97-2581-552	97-2582-553	97-2585-556	97-2583-557	97-2584-555	97-2586-559	97-2589-560
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg							
Picoline,2-	μg/kg							
Pronamide	μg/kg							
Propane),2,2'-oxybis(1-chloro-	μg/kg							
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg							
Pyridine	μg/kg							
Safrole	μg/kg							
Tetrachlorobenzene, 1,2,4,5-	μg/kg							
Tetrachlorophenol,2,3,4,6-	μg/kg							
Toluidine,o-	μg/kg							
Trichlorobenzene, 1, 2, 4-	μg/kg							
Trichlorophenol,2,4,5-	μg/kg							
Trichlorophenol,2,4,6-	μg/kg							
Triethyl Phosphorothioate,o,o,o-	μg/kg							
Acetone	μg/kg							
Acrolein	μg/kg							
Acrylonitrile	μg/kg							
Allyl Chloride	μg/kg							
Benzene	μg/kg							
Benzene (screening)	μg/kg	<13	<13	<15	<16	<15	<13	<15
Bromobenzene	μg/kg							
Bromoform	μg/kg							
Carbon Disulfide	μg/kg							
Carbon Tetrachloride	μg/kg							
Chlorobenzene	μg/kg							
Chlorodibromomethane	μg/kg							
Chloroethane	μg/kg							



Page 6 of 248

							Page 6 of 24
Location ID	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158
Sample ID	1631413	1631415	1631416	1631417	1631418	1631419	1631420
Sample Date	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997
Sample Time	13:15	13:20	13:30	13:35	13:45	13:50	14:00
Sample Depth	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
Lab. Number	97-2581-552	97-2582-553	97-2585-556	97-2583-557	97-2584-555	97-2586-559	97-2589-560
Units							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg	<19	<19	<21	<23	<22	<19	<21
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
	Sample ID Sample Date Sample Depth Laboratory Lab. Number Units µg/kg	Sample ID 1631413 Sample Date 04/08/1997 Sample Time 13:15 Sample Depth 0' - 2' Laboratory LEA Lab. Number 97-2581-552 Units µg/kg	Sample ID 1631413 1631415  Sample Date 04/08/1997 04/08/1997  Sample Time 13:15 13:20  Sample Depth 0' - 2' 2' - 4'  Laboratory LEA LEA  Lab. Number 97-2581-552 97-2582-553  Units  µg/kg	Sample ID 1631413 1631415 1631416  Sample Date 04/08/1997 04/08/1997 04/08/1997  Sample Time 13:15 13:20 13:30  Sample Depth 0' - 2' 2' - 4' 4' - 6'  Laboratory LEA LEA LEA LEA  Lab. Number 97-2581-552 97-2582-553 97-2585-556  Units	Sample ID 1631413 1631415 1631416 1631417  Sample Date 04/08/1997 04/08/1997 04/08/1997 04/08/1997  Sample Time 13:15 13:20 13:30 13:35  Sample Depth 0'-2' 2'-4' 4'-6' 6'-8'  Laboratory LEA LEA LEA LEA LEA LEA LEA LEA LAb. Number 97-2581-552 97-2582-553 97-2585-556 97-2583-557  Units #g/kg #g/	Sample ID   1631413   1631415   1631416   1631417   1631418	Sample ID   1631413   1631415   1631416   1631417   1631418   1631419

DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Table 3

Page 7 of 248

				<u> </u>				Page 7 of 24
	Location ID	SK-SB-158						
	Sample ID	1631413	1631415	1631416	1631417	1631418	1631419	1631420
	Sample Date	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997
	Sample Time	13:15	13:20	13:30	13:35	13:45	13:50	14:00
	Sample Depth	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA						
	Lab. Number	97-2581-552	97-2582-553	97-2585-556	97-2583-557	97-2584-555	97-2586-559	97-2589-560
Constituent	Units							
Methyl Chloride	μg/kg							
Methyl Ethyl Ketone	μg/kg							
Methyl Methacrylate	μg/kg							
Methyl-2-pentanone,4-	μg/kg							
Methyl-tert-butyl Ether	μg/kg							
Methylene Chloride	μg/kg							
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg							
Pentachloronitrobenzene	μ <b>g</b> /kg							
Propionitrile	μg/kg							
Styrene	μg/kg							
Tetrachloroethane, 1, 1, 1, 2-	μg/kg							
Tetrachloroethane, 1, 1, 2, 2-	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	<20	<20	<23	<24	<23	<20	<23
Toluene	μg/kg							
Toluene (screening)	μg/kg	<19	<19	<21	<23	<21	<19	<21
Trichloroethane, 1, 1, 1-	μg/kg							
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<325	<325	<361	<390	<368	<325	<361
Trichloroethane, 1, 1, 2-	μg/kg							
Trichloroethylene	μg/kg							
Trichloroethylene (screening)	μg/kg	<32	<32	<35	<38	<36	<32	<35
Trichloromonofluoromethane	μg/kg							
Trichloropropane,1,2,3-	μg/kg							
Vinyl Acetate	μg/kg							
Vinyl Chloride	μg/kg							
Xylene,o- (screening)	μg/kg	<27	<27	<29	<32	<30	<27	<29
Xylenes (Total)	μg/kg							



Page 8 of 248

								Page 8 of 2
	Location ID	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158	SK-SB-158
	Sample ID	1631413	1631415	1631416	1631417	1631418	1631419	1631420
	Sample Date	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997
	Sample Time	13:15	13:20	13:30	13:35	13:45	13:50	14:00
	Sample Depth	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2581-552	97-2582-553	97-2585-556	97-2583-557	97-2584-555	97-2586-559	97-2589-560
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg	<14	<14	<15	<17	<16	<14	<15
							-	
		_						-
			<u> </u>					
				<del></del>				<del></del>
		-						
		<del> </del>						
		<u> </u>						
		_						
		-						
								~ <u>~</u>
	<u> </u>							
(stage 1 Printed on ()7/16/09								

DRAFT

								Page 9 of 24
	Location ID	SK-SB-158	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159
	Sample ID	1631421	1631422	1631423	1631424	1631425	1631426	1631427
	Sample Date	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997
	Sample Time	14:05	14:40	14:45	14:55	15:00	15:10	15:15
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA						
	Lab. Number	97-2590-561	97-2592-562	97-2593-563	97-2594-564	97-2595-565	97-2596-565	97-2597-567
Constituent	Units							
Date Metals Analyzed	•							
Date Organics Analyzed	-	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
Date Physical Analysed	-							
Date Semi-volatile Organics Analyzed	-							
Dinoseb	μg/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg							
Aramite	μg/kg							
Dibromo-3-chloropropane,1,2-	μg/kg							
Dimethoate	μg/kg							
Disulfoton	μg/kg							
Famphur	μg/kg							
Phorate	μg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Acenaphthene	μg/kg							
Acenaphthylene	μg/kg							
Acetophenone	μg/kg							
Aminobiphenyl,4-	μg/kg							
Aniline	μg/kg							



Page 10 of 248

								Page 10 of 1
	Location ID	SK-SB-158	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159
	Sample ID	1631421	1631422	1631423	1631424	1631425	1631426	1631427
	Sample Date	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997
	Sample Time	14:05	14:40	14:45	14:55	15:00	15:10	15:15
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA						
	Lab. Number	97-2590-561	97-2592-562	97-2593-563	97-2594-564	97-2595-565	97-2596-565	97-2597-567
Constituent	Units							
Anthracene	μg/kg							
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[ghi]perylene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Benzyl Alcohol	μg/kg							
Bis(2-chloroethoxy)methane	μg/kg							
Bis(2-chloroethyl) Ether	μg/kg							
Bis(2-ethylhexyl)phthalate	μg/kg	1						
Bromophenyl Phenyl Ether,4-	μg/kg							
Butyl Benzyl Phthalate	μg/kg							
Carbazole	μg/kg							
Chloro-m-cresol,p-	μg/kg							
Chloroaniline,4-	μg/kg							
Chloronaphthalene,2-	μg/kg							
Chlorophenol,2-	μg/kg							
Chlorophenyl Phenyl Ether,4-	μg/kg							
Chrysene	μg/kg							
Cresol,2-	μg/kg							
Cresol,3-	μg/kg							
Cresol,4-	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Di-n-octyl Phthalate	μg/kg							
Dibenzo[a,h]anthracene	μg/kg							
Dibenzofuran	μg/kg							
Dichloro-2-butylene,1,4-trans-	μg/kg							
1 Divid - 07/1//08								



Table 3

DRAFT

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 11 of 24
	Location ID	SK-SB-158	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159
	Sample ID	1631421	1631422	1631423	1631424	1631425	1631426	1631427
	Sample Date	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997
	Sample Time	14:05	14:40	14:45	14:55	15:00	15:10	15:15
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA						
	Lab. Number	97-2590-561	97-2592-562	97-2593-563	97-2594-564	97-2595-565	97-2596-565	97-2597-567
Constituent	Units							
Dichlorobenzidine,3,3'-	μ <i>g/</i> kg							
Dichlorophenol,2,4-	μg/kg							
Diethyl Phthalate	μg/kg							
Dimethyl Phthalate	μ <i>g</i> /kg							
Dimethylaminoazobenzene,4-	μg/kg							
Dimethylbenzidine,3,3'-	μ <i>g/</i> kg							
Dimethylbenzo[a]anthracene,7,12-	μg/kg							
Dimethylphenethylamine,alpha,alpha-	μg/kg							
Dimethylphenol,2,4-	μg/kg							
Dinitro-o-cresol,4,6-	μg/kg							
Dinitrobenzene,1,3-	μg/kg	<u> </u>						
Dinitrophenol,2,4-	μg/kg							
Dinitrotoluene,2,4-	μg/kg							
Dinitrotoluene,2,6-	μg/kg							
Diphenylamine	μ <i>g/</i> kg							
Diphenylhydrazine,1,2-	μ <i>g/</i> kg							
Ethyl Methanesulfonate	μg/kg							
Fluoranthene	μ <i>g/</i> kg							
Fluorene	μ <b>g/</b> kg							
Hexachlorobenzene	μg/kg							
Hexachlorobutadiene	μg/kg							
Hexachlorocyclopentadiene	μg/kg							
Hexachloroethane	μg/kg							
Hexachloropropylene	μg/kg							
Indeno(1,2,3-cd)pyrene	μg/kg							
Isophorone	μg/kg							
Isosafrole	μg/kg							
Methapyrilene	μg/kg	T						

### Table 3 DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 12 of 248

								Page 12 of 24
	Location ID	SK-SB-158	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159
	Sample ID	1631421	1631422	1631423	1631424	1631425	1631426	1631427
	Sample Date	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997
	Sample Time	14:05	14:40	14:45	14:55	15:00	15:10	15:15
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA						
	Lab. Number	97-2590-561	97-2592-562	97-2593-563	97-2594-564	97-2595-565	97-2596-565	97-2597-567
Constituent	Units							
Methyl Methanesulfonate	μg/kg							
Methylcholanthrene,3-	μg/kg							
Methylnaphthalene,2-	μg/kg							
N-nitroso-di-n-butylamine	μg/kg							
N-nitroso-n-propylamine	μg/kg							
N-nitrosodiethylamine	μg/kg							
N-nitrosodimethylamine	μg/kg							
N-nitrosodiphenylamine	μg/kg							
N-nitrosomethylethylamine	μg/kg							
N-nitrosomorpholine	μg/kg							
N-nitrosopiperidine	μg/kg							
Naphthalene	μg/kg							
Naphthoquinone,1,4-	μg/kg							
Naphthylamine,alpha-	μg/kg							
Naphthylamine,beta-	μg/kg							
Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,2-	μg/kg							
Nitroaniline,3-	μg/kg							
Nitroaniline,4-	μg/kg							
Nitrobenzene	μg/kg							
Nitrophenol,2-	μg/kg							
Nitrophenol,4-	μg/kg							
Nitroquinoline-1-oxide,4-	μg/kg							
Nitrosopyrrolidine,n-	μg/kg							
Pentachlorophenol	μg/kg							
Phenacetin	μg/kg							
Phenanthrene	μg/kg							
Phenol	μg/kg							

Notes: 1. Printed on 07/16/98

LΕΔ

### Table 3

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

DRAFT

								Page 13 of 2
	Location ID	SK-SB-158	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159
	Sample ID	1631421	1631422	1631423	1631424	1631425	1631426	1631427
	Sample Date	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997
	Sample Time	14:05	14:40	14:45	14:55	15:00	15:10	15:15
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA						
	Lab. Number	97-2590-561	97-2592-562	97-2593-563	97-2594-564	97-2595-565	97-2596-565	97-2597-567
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg	]						
Picoline,2-	μg/kg	1						
Pronamide	μg/kg							
Propane),2,2'-oxybis(1-chloro-	µg/kg							
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg							
Pyridine	μg/kg							
Safrole	μg/kg							
Tetrachlorobenzene, 1, 2, 4, 5-	μg/kg							
Tetrachlorophenol,2,3,4,6-	μg/kg							
Toluidine,o-	μg/kg							
Trichlorobenzene, 1, 2, 4-	μg/kg							
Trichlorophenol,2,4,5-	μg/kg							
Trichlorophenol,2,4,6-	μg/kg		,					
Triethyl Phosphorothioate,0,0,0-	μg/kg							
Acetone	μg/kg							
Acrolein	μg/kg							
Acrylonitrile	μg/kg							
Allyl Chloride	μg/kg							
Benzene	μg/kg							
Benzene (screening)	μg/kg	<15	<16 nc	<16 nc	<15	<15	<15	<14
Bromobenzene	μg/kg							
Bromoform	μg/kg							
Carbon Disulfide	μg/kg							
Carbon Tetrachloride	μg/kg							
Chlorobenzene	μg/kg							
Chlorodibromomethane	μg/kg							
Chloroethane	μg/kg					<u> </u>		<del>-  </del>

### Table 3 DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 14 of 248

								Page 14 of 2
	Location ID	SK-SB-158	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159
	Sample ID	1631421	1631422	1631423	1631424	1631425	1631426	1631427
	Sample Date	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997
	Sample Time	14:05	14:40	14:45	14:55	15:00	15:10	15:15
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA						
	Lab. Number	97-2590-561	97-2592-562	97-2593-563	97-2594-564	97-2595-565	97-2596-565	97-2597-567
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg							
Chloroprene, beta-	μg/kg							
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg							
Dichlorobenzene, 1,2-	μg/kg							
Dichlorobenzene, 1,3-	μg/kg							
Dichlorobenzene, 1,4-	μg/kg							
Dichlorobromomethane	μg/kg							
Dichlorodifluoromethane	μg/kg							
Dichloroethane,1,1-	μg/kg							
Dichloroethane, 1,2-	μg/kg	<u> </u>						
Dichloroethylene, 1, 1-	μg/kg							
Dichloroethylene, 1,2-cis-	μg/kg							
Dichloroethylene, 1,2-trans-	μg/kg							
Dichloropropane, 1,2-	μg/kg							
Dichloropropylene,1,3-	μg/kg	<u> </u>						
Dichloropropylene,1,3-cis-	μg/kg	1						
Dichloropropylene,1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg							
Ethylbenzene (screening)	μg/kg	<22	<24 nc	<24 nc	<21	<22	<22	<20
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg							
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg							
Methyl Bromide	μg/kg							

Page 15 of 248

								Page 15 of 248
	Location ID	SK-SB-158	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159
	Sample ID	1631421	1631422	1631423	1631424	1631425	1631426	1631427
	Sample Date	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997
	Sample Time	14:05	14:40	14:45	14:55	15:00	15:10	15:15
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA						
	Lab. Number	97-2590-561	97-2592-562	97-2593-563	97-2594-564	97-2595-565	97-2596-565	97-2597-567
Constituent	Units							
Methyl Chloride	μg/kg							
Methyl Ethyl Ketone	μg/kg							
Methyl Methacrylate	μg/kg							
Methyl-2-pentanone,4-	μg/kg							
Methyl-tert-butyl Ether	μg/kg							•
Methylene Chloride	μg/kg							
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg							
Pentachloronitrobenzene	μg/kg							
Propionitrile	μg/kg	i						
Styrene	μg/kg							
Tetrachloroethane, 1, 1, 1, 2-	μg/kg							
Tetrachloroethane, 1, 1, 2, 2-	μg/kg	<u> </u>						
Tetrachloroethylene	μg/kg	<u></u>						
Tetrachloroethylene (screening)	μg/kg	<23	<25 nc	269 nc	10 J	<23	8 J	24 E
Toluene	μg/kg							
Toluene (screening)	μg/kg	<21	<23 nc	<23 nc	<21	<21	<21	<20
Trichloroethane, 1, 1, 1-	μg/kg							
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<368	<398 nc	<398 nc	<361	<368	<368	<342
Trichloroethane, 1, 1, 2-	μg/kg							
Trichloroethylene	μg/kg							
Trichloroethylene (screening)	μg/kg	<36	<39 nc	<39 nc	<35	<36	<36	<33
Trichloromonofluoromethane	μg/kg							
Trichloropropane,1,2,3-	μg/kg							
Vinyl Acetate	μg/kg							
Vinyl Chloride	μg/kg							
Xylene,o- (screening)	μg/kg	<30	<32 nc	<32 nc	<29	<30	<30	<28
Xylenes (Total)	μg/kg							



Page 16 of 248

	<u> </u>							Page 16 of 24
	Location ID	SK-SB-158	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159	SK-SB-159
	Sample ID	1631421	1631422	1631423	1631424	1631425	1631426	1631427
	Sample Date	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997	04/08/1997
	Sample Time	14:05	14:40	14:45	14:55	15:00	15:10	15:15
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2590-561	97-2592-562	97-2593-563	97-2594-564	97-2595-565	97-2596-565	97-2597-567
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg	<16	<17 nc	<17 nc	<15	<16	<16	<15
Also pill								
		1						
		-						
		-						
The state of the s								
		-			· <del></del>			
		<u> </u>						
		-						
		1						
Notes: 1 Deinted on 07/17/09		<u> </u>						



							Page 17 of 248
Location ID	SK-SB-159	SK-SB-159	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160
Sample ID	1631428	1631429	1631432	1631433	1631434	1631435	1631436
Sample Date	04/08/1997	04/08/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
Sample Time	15:25	15:30	09:00	09:05	09:15	09:15	09:30
Sample Depth	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'	4' - 6'	6' - 8'
Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
Lab. Number	97-2598-568	97-2599-569	97-2622-592	97-2625-595	97-2626-596	97-2627-597	97-2628-598
Units							
-							
-	04/10/1997	04/10/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997
-							
-							
μg/kg							
mg/kg							
mg/kg							
mg/kg							
mg/kg							
mg/kg							
mg/kg							
mg/kg							
mg/kg							
mg/kg							
mg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg				·			
μg/kg							
mg/kg							
μg/kg							
μ <b>g/k</b> g							
μg/kg							
μg/kg							
μg/kg							
	Sample ID Sample Date Sample Date Sample Depth Laboratory Lab. Number Units	Sample ID 1631428 Sample Date 04/08/1997 Sample Time 15:25 Sample Depth 12' - 14' Laboratory LEA Lab. Number 97-2598-568 Units - 04/10/1997	Sample ID       1631428       1631429         Sample Date       04/08/1997       04/08/1997         Sample Time       15:25       15:30         Sample Depth       12' - 14'       14' - 16'         Laboratory       LEA       LEA         Lab. Number       97-2598-568       97-2599-569         Units       -       -         -       04/10/1997       04/10/1997         -       -       04/10/1997       04/10/1997         -       -       04/10/1997       04/10/1997         -       -       04/10/1997       04/10/1997         -       -       04/10/1997       04/10/1997         -       -       04/10/1997       04/10/1997         -       -       04/10/1997       04/10/1997         -       -       04/10/1997       04/10/1997         -       -       04/10/1997       04/10/1997         -       -       04/10/1997       04/10/1997         -       -       04/10/1997       04/10/1997         -       -       04/10/1997       04/10/1997         -       -       04/10/1997       04/10/1997         -       -       04	Sample ID 1631428 1631429 1631432 Sample Date 04/08/1997 04/08/1997 04/09/1997 Sample Time 15:25 15:30 09:00 Sample Depth 12' - 14' 14' - 16' 0' - 2' Laboratory LEA LEA LEA LEA Lab. Number 97-2598-568 97-2599-569 97-2622-592 Units  - 04/10/1997 04/10/1997 04/11/1997 04/10/1997 04/10/1997 04/11/1997 04/10/1997 04/10/1997 04/11/1997 - mg/kg	Sample ID 1631428 1631429 1631432 1631433  Sample Date 04/08/1997 04/08/1997 04/09/1997 04/09/1997  Sample Time 15:25 15:30 09:00 09:05  Sample Depth 12'-14' 14'-16' 0'-2' 2'-4'  Laboratory LEA LEA LEA LEA LEA  Lab. Number 97-2598-568 97-2599-569 97-2622-592 97-2625-595  Units  - 04/10/1997 04/10/1997 04/11/1997 04/11/1997  - μg/kg mg/kg m	Sample ID   1631428   1631429   1631432   1631433   1631434     Sample Date   04/08/1997   04/08/1997   04/09/1997   04/15   04/16   07-2°   2′-4°   4′-6′   07-2°   2′-4°   4′-6′   04/16   07-2°   2′-4°   04/16   07-2°   07-2625-595   07-2625-595   07-2625-595   07-2625-596   07-2625-595   07-2625-596   07-2625-595   07-2625-596   07-2625-595   07-2625-596   04/11/1997   04/11	Sample ID



Page 18 of 248

Location ID	SK-SB-159	SK-SB-159	SK-SB-160	GTZ OD 160	CTT OD : ::		
	011 00 107	SK-615-155	9V-9D-100	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160
Sample ID	1631428	1631429	1631432	1631433	1631434	1631435	1631436
Sample Date	04/08/1997	04/08/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
Sample Time	15:25	15:30	09:00	09:05	09:15	09:15	09:30
Sample Depth	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'	4' - 6'	6' - 8'
Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
Lab. Number	97-2598-568	97-2599-569	97-2622-592	97-2625-595	97-2626-596	97-2627-597	97-2628-598
Units							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
	1						
	1						
	Sample Time Sample Depth Laboratory Lab. Number Units  µg/kg	Sample Time 15:25  Sample Depth 12' - 14'  Laboratory LEA  Lab. Number 97-2598-568  Units  µg/kg	Sample Time 15:25 15:30  Sample Depth 12' - 14' 14' - 16'  Laboratory LEA LEA  Lab. Number 97-2598-568 97-2599-569  Units	Sample Time 15:25 15:30 09:00  Sample Depth 12'-14' 14'-16' 0'-2'  Laboratory LEA LEA LEA  Lab. Number 97-2598-568 97-2599-569 97-2622-592  Units	Sample Time         15:25         15:30         09:00         09:05           Sample Depth         12' - 14'         14' - 16'         0' - 2'         2' - 4'           Lab Candory         LEA         LEA         LEA         LEA           Lab Number         97-2598-568         97-2622-592         97-2622-595           Units         #g/kg         #g/kg         #g/kg           #g/kg         <	Sample Time 15:25 15:30 09:00 09:05 09:15  Sample Depth 12'-14' 14'-16' 0'-2' 2'-4' 4'-6'  Laboratory LEA LEA LEA LEA LEA LEA  Lah. Number 97-2598-568 97-2599-569 97-2622-592 97-2625-595 97-2626-596  Units pg/kg pg/k	Sample Time 15:25 15:30 09:00 09:05 09:15 09:15



Table 3

#### DRAFT

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

							<u>-</u>	Page 19 of 248
	Location ID	SK-SB-159	SK-SB-159	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160
	Sample ID	1631428	1631429	1631432	1631433	1631434	1631435	1631436
_	Sample Date	04/08/1997	04/08/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	15:25	15:30	09:00	09:05	09:15	09:15	09:30
	Sample Depth	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'	4' - 6'	6' - 8'
	Laboratory	LEA						
	Lab. Number	97-2598-568	97-2599-569	97-2622-592	97-2625-595	97-2626-596	97-2627-597	97-2628-598
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg							
Dichlorophenol,2,4-	μg/kg							
Diethyl Phthalate	μg/kg							
Dimethyl Phthalate	μg/kg							
Dimethylaminoazobenzene,4-	μg/kg							
Dimethylbenzidine,3,3'-	μg/kg							
Dimethylbenzo[a]anthracene,7,12-	μg/kg							
Dimethylphenethylamine,alpha,alpha-	μg/kg							
Dimethylphenol,2,4-	μg/kg							
Dinitro-o-cresol,4,6-	μg/kg							
Dinitrobenzene,1,3-	μg/kg							
Dinitrophenol,2,4-	μg/kg							
Dinitrotoluene,2,4-	μg/kg							
Dinitrotoluene,2,6-	μg/kg							
Diphenylamine	μg/kg							
Diphenylhydrazine,1,2-	μg/kg							
Ethyl Methanesulfonate	μg/kg							
Fluoranthene	μg/kg							
Fluorene	μg/kg							
Hexachlorobenzene	μg/kg							
Hexachlorobutadiene	μg/kg							
Hexachlorocyclopentadiene	μg/kg							
Hexachloroethane	μg/kg							
Hexachloropropylene	μg/kg							
Indeno(1,2,3-cd)pyrene	μg/kg							
Isophorone	μg/kg							
Isosafrole	μg/kg							
Methapyrilene	μg/kg							

Page 20 of 248

								Page 20 of 24
	Location ID	SK-SB-159	SK-SB-159	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160
	Sample ID	1631428	1631429	1631432	1631433	1631434	1631435	1631436
	Sample Date	04/08/1997	04/08/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	15:25	15:30	09:00	09:05	09:15	09:15	09:30
	Sample Depth	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'	4' - 6'	6' - 8'
	Laboratory	LEA						
	Lab. Number	97-2598-568	97-2599-569	97-2622-592	97-2625-595	97-2626-596	97-2627-597	97-2628-598
Constituent	Units							
Methyl Methanesulfonate	μg/kg							
Methylcholanthrene,3-	μg/kg							
Methylnaphthalene,2-	μg/kg							
N-nitroso-di-n-butylamine	μg/kg							
N-nitroso-n-propylamine	μg/kg							
N-nitrosodiethylamine	μg/kg							
N-nitrosodimethylamine	μg/kg							
N-nitrosodiphenylamine	μg/kg							
N-nitrosomethylethylamine	μg/kg							
N-nitrosomorpholine	μg/kg							
N-nitrosopiperidine	μg/kg							
Naphthalene	μg/kg							
Naphthoquinone, 1,4-	μg/kg							
Naphthylamine,alpha-	μg/kg							
Naphthylamine,beta-	μg/kg							
Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,2-	μg/kg							
Nitroaniline,3-	μg/kg							
Nitroaniline,4-	μg/kg							
Nitrobenzene	μg/kg							
Nitrophenol,2-	μg/kg							
Nitrophenol,4-	μg/kg							
Nitroquinoline-1-oxide,4-	μg/kg							
Nitrosopyrrolidine,n-	μg/kg							
Pentachlorophenol	μg/kg							
Phenacetin	μg/kg							
Phenanthrene	μg/kg							
Phenol	μg/kg				10.00			
Notae: 1 Printed on 07/16/09	1.00							

DRAFT

#### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 21 of 24
	Location ID	SK-SB-159	SK-SB-159	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160
	Sample ID	1631428	1631429	1631432	1631433	1631434	1631435	1631436
	Sample Date	04/08/1997	04/08/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	15:25	15:30	09:00	09:05	09:15	09:15	09:30
	Sample Depth	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'	4' - 6'	6' - 8'
	Laboratory	LEA						
	Lab. Number	97-2598-568	97-2599-569	97-2622-592	97-2625-595	97-2626-596	97-2627-597	97-2628-598
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg							
Picoline,2-	μg/kg							
Pronamide	μg/kg							
Propane),2,2'-oxybis(1-chloro-	μg/kg							
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg							
Pyridine	μg/kg							
Safrole	μg/kg							
Tetrachlorobenzene, 1,2,4,5-	μg/kg							
Tetrachlorophenol,2,3,4,6-	μg/kg							
Toluidine,o-	μg/kg							
Trichlorobenzene, 1, 2, 4-	μg/kg							
Trichlorophenol,2,4,5-	μg/kg							
Trichlorophenol,2,4,6-	μg/kg							
Triethyl Phosphorothioate,o,o,o-	μg/kg							
Acetone	μg/kg							
Acrolein	μg/kg							
Acrylonitrile	μg/kg							
Allyl Chloride	μg/kg							
Benzene	μg/kg							
Benzene (screening)	μg/kg	<16	<14	<16	<15	<15	<14	<14
Bromobenzene	μg/kg							
Bromoform	μg/kg							
Carbon Disulfide	μg/kg							
Carbon Tetrachloride	μg/kg							
Chlorobenzene	μg/kg							
Chlorodibromomethane	μg/kg							
Chloroethane	μg/kg							

#### **DRAFT**

#### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 22 of 248

						*		Page 22 of 248
	Location ID	SK-SB-159	SK-SB-159	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160
	Sample ID	1631428	1631429	1631432	1631433	1631434	1631435	1631436
	Sample Date	04/08/1997	04/08/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	15:25	15:30	09:00	09:05	09:15	09:15	09:30
	Sample Depth	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'	4' - 6'	6' - 8'
	Laboratory	LEA						
	Lab. Number	97-2598-568	97-2599-569	97-2622-592	97-2625-595	97-2626-596	97-2627-597	97-2628-598
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg							
Chloroprene,beta-	μg/kg							
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg							
Dichlorobenzene,1,2-	μg/kg							
Dichlorobenzene,1,3-	μg/kg							
Dichlorobenzene,1,4-	μg/kg							
Dichlorobromomethane	μg/kg							
Dichlorodifluoromethane	μg/kg							
Dichloroethane,1,1-	μg/kg							
Dichloroethane, 1,2-	μg/kg							
Dichloroethylene,1,1-	μg/kg							
Dichloroethylene,1,2-cis-	μg/kg							
Dichloroethylene,1,2-trans-	μg/kg							
Dichloropropane,1,2-	μg/kg							
Dichloropropylene,1,3-	μg/kg							
Dichloropropylene, 1, 3-cis-	μg/kg							
Dichloropropylene, 1, 3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg							
Ethylbenzene (screening)	μg/kg	<23	<20	<23	<21	<22	<20	<20
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg							
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg							
Methyl Bromide	μg/kg							

Page 23 of 248

	·····	·						Page 23 of 2
	Location ID	SK-SB-159	SK-SB-159	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160
	Sample ID	1631428	1631429	1631432	1631433	1631434	1631435	1631436
	Sample Date	04/08/1997	04/08/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	15:25	15:30	09:00	09:05	09:15	09:15	09:30
	Sample Depth	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'	4' - 6'	6' - 8'
	Laboratory	LEA						
	Lab. Number	97-2598-568	97-2599-569	97-2622-592	97-2625-595	97-2626-596	97-2627-597	97-2628-598
Constituent	Units							
Methyl Chloride	μg/kg	1						
Methyl Ethyl Ketone	μg/kg							
Methyl Methacrylate	μg/kg							
Methyl-2-pentanone,4-	μg/kg							
Methyl-tert-butyl Ether	μg/kg							
Methylene Chloride	μg/kg							
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg							
Pentachloronitrobenzene	μg/kg							
Propionitrile	μg/kg							
Styrene	μg/kg							
Tetrachloroethane, 1, 1, 1, 2-	μg/kg							
Tetrachloroethane, 1, 1, 2, 2-	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	<24	<21	20 J	10 J	28 E	22 E	42 E
Toluene	μg/kg							
Toluene (screening)	μg/kg	<22	<20	<23	<21	<21	<20	<19
Trichloroethane, 1, 1, 1-	μg/kg							
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<382	<342	<390	<361	<368	<342	<336
Trichloroethane, 1, 1, 2-	μg/kg							
Trichloroethylene	μg/kg							
Trichloroethylene (screening)	μg/kg	<37	<33	<38	20 J	10 J	20 J	<33
Trichloromonofluoromethane	μg/kg							
Trichloropropane, 1, 2, 3-	μg/kg							
Vinyl Acetate	μg/kg							
Vinyl Chloride	μg/kg							
Xylene,o- (screening)	μg/kg	31	<28	<32	<29	<30	<28	<27
Xylenes (Total)	μg/kg							

LEA

								Page 24 of 2
L	ocation ID	SK-SB-159	SK-SB-159	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160
Se	ample ID	1631428	1631429	1631432	1631433	1631434	1631435	1631436
Sa	ample Date	04/08/1997	04/08/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
Sz	ample Time	15:25	15:30	09:00	09:05	09:15	09:15	09:30
Sε	ample Depth	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'	4' - 6'	6' - 8'
	aboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
L	ab. Number	97-2598-568	97-2599-569	97-2622-592	97-2625-595	97-2626-596	97-2627-597	97-2628-598
ent Ui	nits							
n- & p- (screening) με	g/kg	<16	<15	<17	<15	<16	<15	<14
		<u> </u>						
				<u> </u>			<u> </u>	
			<del> </del>	<u> </u>			<u> </u>	<del> </del>
				<del>                                     </del>			1	
					<del> </del>			<del>                                     </del>
	***************************************		<del>                                     </del>	<del> </del>	1			<del> </del>
Printed on 07/16/98								



#### Table 3

#### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 25 of 2
	Location ID	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-161	SK-SB-161	SK-SB-161
	Sample ID	1631437	1631438	1631439	1631440	1631441	1631442	1631443
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	09:35	09:45	09:50	10:00	10:05	10:15	10:20
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'
	Laboratory	LEA						
	Lab. Number	97-2629-599	97-2630-600	97-2631-601	97-2632-602	97-2633-603	97-2634-604	97-2635-605
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997
Date Physical Analysed								
Date Semi-volatile Organics Analyzed	•							
Dinoseb	μg/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg							
Aramite	μg/kg							
Dibromo-3-chloropropane,1,2-	μg/kg							
Dimethoate	μg/kg							
Disulfoton	μg/kg							
Famphur	μg/kg							
Phorate	μg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Acenaphthene	μg/kg							
Acenaphthylene	μg/kg							
Acetophenone	μg/kg							
Aminobiphenyl,4-	μg/kg							
Aniline	μg/kg							
lotes: 1 Printed on 07/16/09								



Page 26 of 248

								Page 26 of 248
	Location ID	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-161	SK-SB-161	SK-SB-161
	Sample ID	1631437	1631438	1631439	1631440	1631441	1631442	1631443
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	09:35	09:45	09:50	10:00	10:05	10:15	10:20
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'
	Laboratory	LEA						
	Lab. Number	97-2629-599	97-2630-600	97-2631-601	97-2632-602	97-2633-603	97-2634-604	97-2635-605
Constituent	Units							
Anthracene	μg/kg							
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[ghi]perylene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Benzyl Alcohol	μg/kg							
Bis(2-chloroethoxy)methane	μg/kg							
Bis(2-chloroethyl) Ether	μg/kg					,		
Bis(2-ethylhexyl)phthalate	μg/kg							
Bromophenyl Phenyl Ether,4-	μg/kg							
Butyl Benzyl Phthalate	μg/kg							
Carbazole	μg/kg							
Chloro-m-cresol,p-	μg/kg							
Chloroaniline,4-	μg/kg							
Chloronaphthalene,2-	μg/kg							
Chlorophenol,2-	μg/kg							
Chlorophenyl Phenyl Ether,4-	μg/kg							
Chrysene	μg/kg							
Cresol,2-	μg/kg							
Cresol,3-	μg/kg							
Cresol,4-	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Di-n-octyl Phthalate	μg/kg							
Dibenzo[a,h]anthracene	μg/kg							
Dibenzofuran	μg/kg	1						
Dichloro-2-butylene, 1,4-trans-	μg/kg							
Dichloro-2-butylene, 1,4-trans-	μg/kg							



DRAFT

#### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 27 of 248

							Page 27 of 24
Location ID	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-161	SK-SB-161	SK-SB-161
Sample ID	1631437	1631438	1631439	1631440	1631441	1631442	1631443
Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
Sample Time	09:35	09:45	09:50	10:00	10:05	10:15	10:20
Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'
Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
Lab. Number	97-2629-599	97-2630-600	97-2631-601	97-2632-602	97-2633-603	97-2634-604	97-2635-605
Units							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							<u> </u>
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
	Sample ID Sample Date Sample Time Sample Depth Laboratory Lab. Number Units µg/kg	Sample ID 1631437  Sample Date 04/09/1997  Sample Time 09:35  Sample Depth 8'-10'  Laboratory LEA  Lab. Number 97-2629-599  Units	Sample ID 1631437 1631438  Sample Date 04/09/1997 04/09/1997  Sample Time 09:35 09:45  Sample Depth 8' - 10' 10' - 12'  Laboratory LEA LEA  Lab. Number 97-2629-599 97-2630-600  Units  µg/kg	Sample ID 1631437 1631438 1631439 Sample Date 04/09/1997 04/09/1997 04/09/1997 Sample Time 09:35 09:45 09:50 Sample Depth 8'-10' 10'-12' 12'-14' Laboratory LEA LEA LEA Lab. Number 97-2629-599 97-2630-600 97-2631-601 Units  µg/kg	Sample ID 1631437 1631438 1631439 1631440  Sample Date 04/09/1997 04/09/1997 04/09/1997 04/09/1997  Sample Time 09:35 09:45 09:50 10:00  Sample Depth 8 - 10 10 - 12 12 - 14 14 - 16 Laboratory LEA LEA LEA LEA LEA LEA LEA LEA LEA LEA	Sample ID 1631437 1631438 1631439 1631440 1631441 Sample Date 04/09/1997 04/0	Sample ID 1631437 1631438 1631439 1631440 1631441 1631442 Sample Date 04/09/1997 04/09/1

Page 28 of 248

								Page 28 of 24
	Location ID	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-161	SK-SB-161	SK-SB-161
	Sample ID	1631437	1631438	1631439	1631440	1631441	1631442	1631443
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	09:35	09:45	09:50	10:00	10:05	10:15	10:20
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'
	Laboratory	LEA						
	Lab. Number	97-2629-599	97-2630-600	97-2631-601	97-2632-602	97-2633-603	97-2634-604	97-2635-605
Constituent	Units							
Methyl Methanesulfonate	μg/kg							
Methylcholanthrene,3-	μg/kg							
Methylnaphthalene,2-	μg/kg							
N-nitroso-di-n-butylamine	μg/kg							
N-nitroso-n-propylamine	μg/kg							
N-nitrosodiethylamine	μg/kg							
N-nitrosodimethylamine	μg/kg							
N-nitrosodiphenylamine	μg/kg							
N-nitrosomethylethylamine	μg/kg							
N-nitrosomorpholine	μg/kg							
N-nitrosopiperidine	μg/kg							
Naphthalene	μg/kg							
Naphthoquinone,1,4-	μg/kg							
Naphthylamine,alpha-	μg/kg							
Naphthylamine,beta-	μg/kg							
Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,2-	μg/kg							
Nitroaniline,3-	μg/kg							
Nitroaniline,4-	μg/kg							
Nitrobenzene	μg/kg							
Nitrophenol,2-	μg/kg							
Nitrophenol,4-	μg/kg							
Nitroquinoline-1-oxide,4-	μg/kg							
Nitrosopyrrolidine,n-	μg/kg					711		
Pentachlorophenol	μg/kg							
Phenacetin	μg/kg							
Phenanthrene	μg/kg							
I licitationelle	PB **5							

Notes: 1. Printed on 07/16/98

LEA

								Page 29 of 24
	Location ID	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-161	SK-SB-161	SK-SB-161
	Sample ID	1631437	1631438	1631439	1631440	1631441	1631442	1631443
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	09:35	09:45	09:50	10:00	10:05	10:15	10:20
A	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'
	Laboratory	LEA						
	Lab. Number	97-2629-599	97-2630-600	97-2631-601	97-2632-602	97-2633-603	97-2634-604	97-2635-605
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg							
Picoline,2-	μg/kg	n						
Pronamide	μg/kg							
Propane),2,2'-oxybis(1-chloro-	μg/kg							
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg							
Pyridine	μg/kg							
Safrole	μg/kg							
Tetrachlorobenzene, 1, 2, 4, 5-	μg/kg							
Tetrachlorophenol,2,3,4,6-	μg/kg							
Toluidine,o-	μg/kg							
Trichlorobenzene, 1, 2, 4-	μg/kg							
Trichlorophenol,2,4,5-	μg/kg							
Trichlorophenol,2,4,6-	μg/kg							
Triethyl Phosphorothioate,o,o,o-	μg/kg							
Acetone	μg/kg							
Acrolein	μg/kg							
Acrylonitrile	μg/kg							
Allyl Chloride	μg/kg							
Benzene	μg/kg							
Benzene (screening)	μg/kg	<15	<15	<15	<14	<16	<15	<16
Bromobenzene	μg/kg							
Bromoform	μg/kg							
Carbon Disulfide	μg/kg							
Carbon Tetrachloride	μg/kg							
Chlorobenzene	μg/kg							
Chlorodibromomethane	μg/kg							
Chloroethane	μg/kg							



Page 30 of 248

								Page 30 of 248
	Location ID	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-161	SK-SB-161	SK-SB-161
	Sample ID	1631437	1631438	1631439	1631440	1631441	1631442	1631443
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	09:35	09:45	09:50	10:00	10:05	10:15	10:20
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'
	Laboratory	LEA						
	Lab. Number	97-2629-599	97-2630-600	97-2631-601	97-2632-602	97-2633-603	97-2634-604	97-2635-605
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg							
Chloroprene,beta-	μg/kg							
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg							
Dichlorobenzene,1,2-	μg/kg							
Dichlorobenzene,1,3-	μg/kg							
Dichlorobenzene,1,4-	μg/kg							
Dichlorobromomethane	μg/kg							
Dichlorodifluoromethane	μg/kg							
Dichloroethane, 1, 1-	μg/kg							
Dichloroethane,1,2-	μg/kg							
Dichloroethylene,1,1-	μg/kg							
Dichloroethylene, 1, 2-cis-	μg/kg							
Dichloroethylene, 1, 2-trans-	μg/kg							
Dichloropropane,1,2-	μg/kg							
Dichloropropylene,1,3-	μg/kg							
Dichloropropylene,1,3-cis-	μg/kg							
Dichloropropylene,1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg				:			
Ethylbenzene	μg/kg							
Ethylbenzene (screening)	μg/kg	<22	<21	<21	<20	<23	<22	<23
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg							
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg							
Methyl Bromide	μg/kg							

								Page 31 of 24
	Location ID	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-161	SK-SB-161	SK-SB-161
	Sample ID	1631437	1631438	1631439	1631440	1631441	1631442	1631443
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	09:35	09:45	09:50	10:00	10:05	10:15	10:20
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'
	Laboratory	LEA						
	Lab. Number	97-2629-599	97-2630-600	97-2631-601	97-2632-602	97-2633-603	97-2634-604	97-2635-605
Constituent	Units							
Methyl Chloride	μg/kg	1						
Methyl Ethyl Ketone	μg/kg							
Methyl Methacrylate	μg/kg							
Methyl-2-pentanone,4-	μg/kg							
Methyl-tert-butyl Ether	μg/kg							
Methylene Chloride	μg/kg							
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg							
Pentachloronitrobenzene	μg/kg							
Propionitrile	μg/kg							
Styrene	μg/kg							
Tetrachloroethane, 1, 1, 1, 2-	μg/kg							
Tetrachloroethane, 1, 1, 2, 2-	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	70	74	219	20 J	32 E	328	417
Toluene	μg/kg							
Toluene (screening)	μg/kg	<21	<21	<21	<19	<23	<21	<23
Trichloroethane,1,1,1-	μg/kg							
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<368	<361	<361	<336	<390	<368	<390
Trichloroethane, 1, 1, 2-	μg/kg							
Trichloroethylene	μg/kg							
Trichloroethylene (screening)	μg/kg	<36	<35	<35	<33	6 J	189	30 J
Trichloromonofluoromethane	μg/kg							
Trichloropropane, 1, 2, 3-	μg/kg							
Vinyl Acetate	μg/kg							
Vinyl Chloride	μg/kg							
Xylene,o- (screening)	μg/kg	⊲30	<29	<29	<27	<32	<30	⊲32
Xylenes (Total)	μg/kg	1						

Page 32 of 248

								Page 32 of 24
	Location ID	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-160	SK-SB-161	SK-SB-161	SK-SB-161
	Sample ID	1631437	1631438	1631439	1631440	1631441	1631442	1631443
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	09:35	09:45	09:50	10:00	10:05	10:15	10:20
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2629-599	97-2630-600	97-2631-601	97-2632-602	97-2633-603	97-2634-604	97-2635-605
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg	<16	<15	<15	<14	<17	<16	<17
		<u> </u>						
								<del>                                     </del>
				<del></del>				
		<del>                                     </del>					<del></del>	
			-					
		·						
	· · · · · · · · · · · · · · · · · · ·							
		<b>1</b>						
		1		1				
letent 1 Deinted on 07/17/09								



Page 33 of 248

								Page 33 of 2
	Location ID	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-162	SK-SB-162
	Sample ID	1631444	1631445	1631446	1631447	1631448	1631449	1631450
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	10:30	10:35	10:45	10:50	10:55	11:00	11:05
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	2' - 4'
	Laboratory	LEA						
	Lab. Number	97-2636-606	97-2637-607	97-2638-608	97-2639-609	97-2640-610	97-2641-611	97-2642-612
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997
Date Physical Analysed	-							
Date Semi-volatile Organics Analyzed	-	İ						
Dinoseb	μg/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg							
Aramite	μg/kg							
Dibromo-3-chloropropane,1,2-	μg/kg							
Dimethoate	μg/kg							
Disulfoton	μg/kg							
Famphur	μg/kg							
Phorate	μ <b>g</b> /kg							
Total Petroleum Hydrocarbons	mg/kg							
Acenaphthene	μg/kg							
Acenaphthylene	μg/kg							
Acetophenone	μg/kg							
Aminobiphenyl,4-	μg/kg							
Aniline	μg/kg			<u> </u>				



Page 34 of 248

								Page 34 of 24
	Location ID	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-162	SK-SB-162
	Sample ID	1631444	1631445	1631446	1631447	1631448	1631449	1631450
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	10:30	10:35	10:45	10:50	10:55	11:00	11:05
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2636-606	97-2637-607	97-2638-608	97-2639-609	97-2640-610	97-2641-611	97-2642-612
Constituent	Units							
Anthracene	μg/kg							
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[ghi]perylene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Benzyl Alcohol	μg/kg							
Bis(2-chloroethoxy)methane	μg/kg							
Bis(2-chloroethyl) Ether	μg/kg							
Bis(2-ethylhexyl)phthalate	μg/kg							
Bromophenyl Phenyl Ether,4-	μg/kg							
Butyl Benzyl Phthalate	μg/kg							
Carbazole	μg/kg							
Chloro-m-cresol,p-	μg/kg							
Chloroaniline,4-	μg/kg							
Chloronaphthalene,2-	μg/kg							
Chlorophenol,2-	μg/kg							
Chlorophenyl Phenyl Ether,4-	μg/kg							
Chrysene	μg/kg							
Cresol,2-	μg/kg							
Cresol,3-	μg/kg							
Cresol,4-	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Di-n-octyl Phthalate	μg/kg							
Dibenzo[a,h]anthracene	μg/kg							
Dibenzofuran	μg/kg							
Dichloro-2-butylene, 1, 4-trans-	μg/kg							



#### Table 3

#### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 35 of 248

								Page 35 of 24
	Location ID	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-162	SK-SB-162
	Sample ID	1631444	1631445	1631446	1631447	1631448	1631449	1631450
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	10:30	10:35	10:45	10:50	10:55	11:00	11:05
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2636-606	97-2637-607	97-2638-608	97-2639-609	97-2640-610	97-2641-611	97-2642-612
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg							
Dichlorophenol,2,4-	μg/kg							
Diethyl Phthalate	μg/kg	1						
Dimethyl Phthalate	μg/kg							
Dimethylaminoazobenzene,4-	μg/kg							
Dimethylbenzidine,3,3'-	μg/kg							
Dimethylbenzo[a]anthracene,7,12-	μg/kg							
Dimethylphenethylamine,alpha,alpha-	μg/kg							
Dimethylphenol,2,4-	μg/kg							
Dinitro-o-cresol,4,6-	μg/kg							
Dinitrobenzene,1,3-	μg/kg							
Dinitrophenol,2,4-	μg/kg							
Dinitrotoluene,2,4-	μg/kg							
Dinitrotoluene,2,6-	μg/kg							
Diphenylamine	μg/kg							
Diphenylhydrazine, 1,2-	μg/kg							
Ethyl Methanesulfonate	μg/kg							-
Fluoranthene	μg/kg							
Fluorene	μg/kg							
Hexachlorobenzene	μg/kg							
Hexachlorobutadiene	μg/kg							
Hexachlorocyclopentadiene	μg/kg							
Hexachloroethane	μg/kg							
Hexachloropropylene	μg/kg							
Indeno(1,2,3-cd)pyrene	μg/kg							
Isophorone	μg/kg							
Isosafrole	μg/kg							
Methapyrilene	μg/kg							

Page 36 of 248

								Page 36 of 248
	Location ID	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-162	SK-SB-162
	Sample ID	1631444	1631445	1631446	1631447	1631448	1631449	1631450
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	10:30	10:35	10:45	10:50	10:55	11:00	11:05
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2636-606	97-2637-607	97-2638-608	97-2639-609	97-2640-610	97-2641-611	97-2642-612
Constituent	Units							
Methyl Methanesulfonate	μg/kg							
Methylcholanthrene,3-	μg/kg							
Methylnaphthalene,2-	μg/kg							
N-nitroso-di-n-butylamine	μg/kg							
N-nitroso-n-propylamine	μg/kg							
N-nitrosodiethylamine	μg/kg							
N-nitrosodimethylamine	μg/kg							
N-nitrosodiphenylamine	μg/kg							
N-nitrosomethylethylamine	μg/kg							
N-nitrosomorpholine	μg/kg							
N-nitrosopiperidine	μg/kg							
Naphthalene	μg/kg							
Naphthoquinone,1,4-	μg/kg							
Naphthylamine,alpha-	μg/kg							
Naphthylamine,beta-	μg/kg							
Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,2-	μg/kg							
Nitroaniline,3-	μg/kg							
Nitroaniline,4-	μg/kg	<u> </u>						
Nitrobenzene	μg/kg							
Nitrophenol,2-	μg/kg							
Nitrophenol,4-	μg/kg							
Nitroquinoline-1-oxide,4-	μg/kg							
Nitrosopyrrolidine,n-	μg/kg							
Pentachlorophenol	μg/kg							
Phenacetin	μg/kg							
Phenanthrene	μg/kg					_		
Phenol	μg/kg							
		1						

Table 3

DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 37 of 248

	Location ID	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-162	SK-SB-162
	Sample ID	1631444	1631445	1631446	1631447	1631448	1631449	1631450
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	10:30	10:35	10:45	10:50	10:55	11:00	11:05
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2636-606	97-2637-607	97-2638-608	97-2639-609	97-2640-610	97-2641-611	97-2642-612
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg							
Picoline,2-	μg/kg							
Pronamide	μg/kg							
Propane),2.2'-oxybis(1-chloro-	μg/kg							
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg							
Pyridine	μg/kg							
Safrole	μg/kg							
Tetrachlorobenzene, 1,2,4,5-	μg/kg							
Tetrachlorophenol,2,3,4,6-	μg/kg							
Toluidine,0-	μg/kg							
Trichlorobenzene, 1,2,4-	μg/kg							
Trichlorophenol,2,4,5-	μg/kg							
Trichlorophenol,2,4,6-	μg/kg	l						
Triethyl Phosphorothioate,o,o,o-	μg/kg							
Acetone	μg/kg							
Acrolein	μg/kg							
Acrylonitrile	μg/kg							
Allyl Chloride	μg/kg							
Benzene	μg/kg							
Benzene (screening)	μg/kg	<16 nc	<14	<15	<16	<16	<15	<16
Bromobenzene	μg/kg							
Bromoform	μg/kg							
Carbon Disulfide	μg/kg							
Carbon Tetrachloride	μg/kg							
Chlorobenzene	μg/kg							
Chlorodibromomethane	μg/kg							
Chloroethane	μg/kg	1						

### Table 3 DRAFT

## SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 38 of 248

								Page 38 of 248
	Location ID	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-162	SK-SB-162
	Sample ID	1631444	1631445	1631446	1631447	1631448	1631449	1631450
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	10:30	10:35	10:45	10:50	10:55	11:00	11:05
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2636-606	97-2637-607	97-2638-608	97-2639-609	97-2640-610	97-2641-611	97-2642-612
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg							
Chloroprene,beta-	μg/kg							
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg							
Dichlorobenzene, 1,2-	μg/kg							
Dichlorobenzene,1,3-	μg/kg							
Dichlorobenzene, 1,4-	μg/kg							
Dichlorobromomethane	μg/kg							
Dichlorodifluoromethane	μg/kg							
Dichloroethane, 1,1-	μg/kg							
Dichloroethane,1,2-	μg/kg							
Dichloroethylene,1,1-	μg/kg							
Dichloroethylene,1,2-cis-	μg/kg							
Dichloroethylene, 1,2-trans-	μg/kg							
Dichloropropane,1,2-	μg/kg							
Dichloropropylene,1,3-	μg/kg							
Dichloropropylene, 1,3-cis-	μg/kg							
Dichloropropylene, 1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg							
Ethylbenzene (screening)	μg/kg	<24 nc	<20	<22	<23	<23	<22	<23
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg							
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg							
Methyl Bromide	μg/kg							



### DRAFT SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 30 of 248

								Page 39 of 24
	Location ID	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-162	SK-SB-162
	Sample ID	1631444	1631445	1631446	1631447	1631448	1631449	1631450
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	10:30	10:35	10:45	10:50	10:55	11:00	11:05
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2636-606	97-2637-607	97-2638-608	97-2639-609	97-2640-610	97-2641-611	97-2642-612
Constituent	Units							
Methyl Chloride	μg/kg							
Methyl Ethyl Ketone	μg/kg							
Methyl Methacrylate	μg/kg							
Methyl-2-pentanone,4-	μg/kg							
Methyl-tert-butyl Ether	μg/kg	<u> </u>						
Methylene Chloride	μg/kg							
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg							
Pentachloronitrobenzene	μg/kg							
Propionitrile	μg/kg							
Styrene	μg/kg							
Tetrachloroethane, 1, 1, 1, 2-	μg/kg							
Tetrachloroethane, 1, 1, 2, 2-	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	213 nc	171	267	278	20 J	26 E	29 E
Toluene	μg/kg							
Toluene (screening)	μg/kg	<23 nc	<20	<22	<23	<23	<21	<23
Trichloroethane,1,1,1-	μg/kg							
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<398 nc	<342	<375	<390	<390	<368	<390
Trichloroethane, 1, 1, 2-	μg/kg							
Trichloroethylene	μg/kg							
Trichloroethylene (screening)	μg/kg	9 J nc	7 J	9 J	8 J	<38	<36	<38
Trichloromonofluoromethane	μg/kg							
Trichloropropane, 1, 2, 3-	μg/kg							
Vinyl Acetate	μg/kg							
Vinyl Chloride	μg/kg							
Xylene,o- (screening)	μg/kg	<32 nc	<28	, ⊲31	<32	<32	<30	<32
Xylenes (Total)	μg/kg							
Jotas: 1 Printed on 07/16/98		L						



### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

	-							Page 40 of 248
	Location ID	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-161	SK-SB-162	SK-SB-162
	Sample ID	1631444	1631445	1631446	1631447	1631448	1631449	1631450
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	10:30	10:35	10:45	10:50	10:55	11:00	11:05
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2636-606	97-2637-607	97-2638-608	97-2639-609	97-2640-610	97-2641-611	97-2642-612
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg	<17 nc	<15	<16	<17	<17	<16	<17
The second secon								
								***
			1					
	1							
		1	1					
A TOTAL PROPERTY OF THE PROPER								
			+	-			1	
No. 1 Print I or 07/17/09				<del></del>				

Page 41 of 248

								Page 41 of 24
	Location ID	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-163
	Sample ID	1631451	1631452	1631453	1631454	1631455	1631456	1631457
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	11:15	11:20	11:30	11:35	11:45	11:50	12:15
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'
	Laboratory	LEA						
	Lab. Number	97-2643-613	97-2644-614	97-2645-615	97-2646-616	97-2649-619	97-2650-620	97-2651-621
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/14/1997	04/14/1997	04/14/1997
Date Physical Analysed	-							
Date Semi-volatile Organics Analyzed	<u> -</u>							
Dinoseb	μg/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg	1						
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg							
Aramite	μg/kg							
Dibromo-3-chloropropane,1,2-	μ <b>g</b> /kg							
Dimethoate	μg/kg	<u></u>						
Disulfoton	μg/kg							
Famphur	μg/kg							
Phorate	μg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Acenaphthene	μg/kg							
Acenaphthylene	μg/kg							
Acetophenone	μg/kg							
Aminobiphenyl,4-	μg/kg							
Aniline	μg/kg							

								Page 42 of 2
	Location ID	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-163
	Sample ID	1631451	1631452	1631453	1631454	1631455	1631456	1631457
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	11:15	11:20	11:30	11:35	11:45	11:50	12:15
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2643-613	97-2644-614	97-2645-615	97-2646-616	97-2649-619	97-2650-620	97-2651-621
Constituent	Units							
Anthracene	μg/kg							
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[ghi]perylene	μg/kg	<u></u>						
Benzo[k]fluoranthene	μg/kg							
Benzyl Alcohol	μg/kg							
Bis(2-chloroethoxy)methane	μg/kg							
Bis(2-chloroethyl) Ether	μg/kg							
Bis(2-ethylhexyl)phthalate	μg/kg							
Bromophenyl Phenyl Ether,4-	μg/kg							
Butyl Benzyl Phthalate	μg/kg							
Carbazole	μg/kg							
Chloro-m-cresol,p-	μg/kg							
Chloroaniline,4-	μg/kg							
Chloronaphthalene,2-	μg/kg							
Chlorophenol,2-	μg/kg							
Chlorophenyl Phenyl Ether,4-	μg/kg							
Chrysene	μg/kg							
Cresol,2-	μg/kg							
Cresol,3-	μg/kg							
Cresol,4-	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Di-n-octyl Phthalate	μg/kg							
Dibenzo[a,h]anthracene	μg/kg							
Dibenzofuran	μg/kg							
Dichloro-2-butylene, 1,4-trans-	μg/kg						- 1	



DRAFT

## SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 43 of 248

	Location ID	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	Page 43 of SK-SB-163
	Sample ID	1631451	1631452	1631453	1631454	1631455	1631456	1631457
		·	<del></del>					<del></del>
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	11:15	11:20	11:30	11:35	11:45	11:50	12:15
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2643-613	97-2644-614	97-2645-615	97-2646-616	97-2649-619	97-2650-620	97-2651-621
Constituent	Units					_		
Dichlorobenzidine,3,3'-	μg/kg							
Dichlorophenol,2,4-	μg/kg							
Diethyl Phthalate	μg/kg							
Dimethyl Phthalate	'n&/k&							
Dimethylaminoazobenzene,4-	μg/kg							
Dimethylbenzidine,3,3'-	μg/kg							
Dimethylbenzo[a]anthracene,7,12-	μg/kg							
Dimethylphenethylamine,alpha,alpha-	μg/kg							
Dimethylphenol,2,4-	μg/kg							
Dinitro-o-cresol,4,6-	μg/kg							
Dinitrobenzene, 1,3-	μg/kg							
Dinitrophenol,2,4-	μg/kg							
Dinitrotoluene,2,4-	μg/kg							
Dinitrotoluene,2,6-	μg/kg							
Diphenylamine	μg/kg							
Diphenylhydrazine, 1,2-	μg/kg							
Ethyl Methanesulfonate	μg/kg							
Fluoranthene	μg/kg							
Fluorene	μg/kg							
Hexachlorobenzene	μg/kg							
Hexachlorobutadiene	μg/kg							
Hexachlorocyclopentadiene	μg/kg							
Hexachloroethane	μg/kg							
Hexachloropropylene	μg/kg							
Indeno(1,2,3-cd)pyrene	μg/kg	1				1		
Isophorone	μg/kg	<del>                                     </del>						
Isosafrole	μg/kg	1						
Methapyrilene	μg/kg	<del> </del>		<del></del>				<del> </del>

Page 44 of 248

								Page 44 of 24
	Location ID	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-163
	Sample ID	1631451	1631452	1631453	1631454	1631455	1631456	1631457
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	11:15	11:20	11:30	11:35	11:45	11:50	12:15
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2643-613	97-2644-614	97-2645-615	97-2646-616	97-2649-619	97-2650-620	97-2651-621
Constituent	Units							
Methyl Methanesulfonate	μg/kg							
Methylcholanthrene,3-	μg/kg							
Methylnaphthalene,2-	μg/kg							
N-nitroso-di-n-butylamine	μg/kg							
N-nitroso-n-propylamine	μg/kg							
N-nitrosodiethylamine	μg/kg							
N-nitrosodimethylamine	μg/kg							
N-nitrosodiphenylamine	μg/kg							
N-nitrosomethylethylamine	μg/kg							
N-nitrosomorpholine	μg/kg					•		
N-nitrosopiperidine	μg/kg							
Naphthalene	μg/kg							
Naphthoquinone, 1,4-	μg/kg							
Naphthylamine,alpha-	μg/kg							
Naphthylamine,beta-	μg/kg							
Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,2-	μg/kg							
Nitroaniline,3-	μg/kg							
Nitroaniline,4-	μg/kg							
Nitrobenzene	μg/kg							
Nitrophenol,2-	μg/kg							
Nitrophenol,4-	μg/kg							
Nitroquinoline-1-oxide,4-	μg/kg							
Nitrosopyrrolidine,n-	μg/kg							
Pentachlorophenol	μg/kg							
Phenacetin	μg/kg							
Phenanthrene	μg/kg							
Phenol	μg/kg							

DRAFT

### Table 3 **SUMMARY OF ANALYTICAL RESULTS - SOIL** P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 45 of 248

								Page 45 of 24
	Location ID	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-163
	Sample ID	1631451	1631452	1631453	1631454	1631455	1631456	1631457
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	11:15	11:20	11:30	11:35	11:45	11:50	12:15
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2643-613	97-2644-614	97-2645-615	97-2646-616	97-2649-619	97-2650-620	97-2651-621
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg							
Picoline,2-	μg/kg							
Pronamide	μg/kg							
Propane),2,2'-oxybis(1-chloro-	μg/kg							
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg							
Pyridine	μg/kg							
Safrole	μg/kg							
Tetrachlorobenzene, 1, 2, 4, 5-	μg/kg							
Tetrachlorophenol,2,3,4,6-	μg/kg							
Toluidine,o-	μg/kg							
Trichlorobenzene, 1, 2, 4-	μg/kg							
Trichlorophenol,2,4,5-	μg/kg							
Trichlorophenol,2,4,6-	μg/kg							
Triethyl Phosphorothioate,o,o,o-	μg/kg							
Acetone	μg/kg							
Acrolein	μg/kg							
Acrylonitrile	μg/kg							
Allyl Chloride	μg/kg							
Benzene	μg/kg							
Benzene (screening)	μg/kg	<15	<14	<17 nc	<16	<15	<15	<15
Bromobenzene	μg/kg	_						
Bromoform	μg/kg							
Carbon Disulfide	μg/kg							
Carbon Tetrachloride	μg/kg							
Chlorobenzene	μg/kg							
Chlorodibromomethane	μg/kg							
Chloroethane	μg/kg							



Page 46 of 248

								Page 46 of 24
	Location ID	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-163
	Sample ID	1631451	1631452	1631453	1631454	1631455	1631456	1631457
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	11:15	11:20	11:30	11:35	11:45	11:50	12:15
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2643-613	97-2644-614	97-2645-615	97-2646-616	97-2649-619	97-2650-620	97-2651-621
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg							
Chloroprene, beta-	μg/kg							
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg							
Dichlorobenzene,1,2-	μg/kg							
Dichtorobenzene,1,3-	μg/kg							
Dichlorobenzene,1,4-	μg/kg							
Dichlorobromomethane	μg/kg							
Dichlorodifluoromethane	μg/kg							
Dichloroethane, 1,1-	μg/kg							
Dichloroethane, 1,2-	μg/kg							
Dichloroethylene,1,1-	μg/kg							
Dichloroethylene,1,2-cis-	μg/kg							
Dichloroethylene,1,2-trans-	μg/kg							
Dichloropropane,1,2-	μg/kg							
Dichloropropylene, 1,3-	μg/kg							
Dichloropropylene, 1,3-cis-	μg/kg							
Dichloropropylene, 1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg							
Ethylbenzene (screening)	μg/kg	<21	<21	<25 nc	<23	<22	<21	<21
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg							
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg	<u> </u>						
Methyl Bromide	μg/kg			•				



Page 47 of 248

	(	Tarr and a sa	1	1	1 1	f		Page 4 / 01
	Location ID	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-163
<del></del>	Sample ID	1631451	1631452	1631453	1631454	1631455	1631456	1631457
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	11:15	11:20	11:30	11:35	11:45	11:50	12:15
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2643-613	97-2644-614	97-2645-615	97-2646-616	97-2649-619	97-2650-620	97-2651-621
Constituent	Units							
Methyl Chloride	μg/kg							
Methyl Ethyl Ketone	μg/kg							
Methyl Methacrylate	μg/kg							
Methyl-2-pentanone,4-	μg/kg	<u> </u>		<u> </u>				
Methyl-tert-butyl Ether	μg/kg							
Methylene Chloride	μg/kg							
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg	<u></u>						
Pentachloronitrobenzene	μg/kg							
Propionitrile	μg/kg							
Styrene	μg/kg					<u> </u>		
Tetrachloroethane, 1, 1, 1, 2-	μg/kg			_				
Tetrachloroethane, 1, 1, 2, 2-	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	30 E	39 E	41 E nc	46 E	51	<23	38 E
Toluene	μg/kg							
Toluene (screening)	μg/kg	<21	<20	<24 nc	<22	<21	<21	<21
Trichloroethane,1,1,1-	μg/kg							
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<361	<348	<415 nc	<382	<368	<361	<361
Trichloroethane,1,1,2-	μg/kg							
Trichloroethylene	μg/kg							
Trichloroethylene (screening)	μg/kg	<35	<34	<40 nc	<37	<36	<35	<35
Trichloromonofluoromethane	μg/kg							
Trichloropropane, 1, 2, 3-	μg/kg							
Vinyl Acetate	μg/kg							
Vinyl Chloride	μg/kg							
Xylene,o- (screening)	μg/kg	<29	<28	<34 nc	<31	<30	<29	<29
Xylenes (Total)	μg/kg	1						

LEA

Page 48 of 248

							Page 48 of
Location ID	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-162	SK-SB-163
Sample ID	1631451	1631452	1631453	1631454	1631455	1631456	1631457
Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
Sample Time	11:15	11:20	11:30	11:35	11:45	11:50	12:15
Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'
Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
Lab. Number	97-2643-613	97-2644-614	97-2645-615	97-2646-616	97-2649-619	97-2650-620	97-2651-621
Units							
μg/kg	<15	<15	<18 nc	<16	<16	<15	<15
· · · · · · · · · · · · · · · · · · ·							
	1	_					
	1						
						<del>.  </del>	
	1						
	_						
	-	<del></del>		<del></del>			
	-						
	<b>-</b>						
	_						
							400
	-1		<del>'                                     </del>				
	Sample ID Sample Date Sample Time Sample Depth Laboratory Lab. Number	Sample ID   1631451     Sample Date   04/09/1997     Sample Time   11:15     Sample Depth   4' - 6'     Laboratory   LEA     Lab. Number   97-2643-613     Units	Sample ID     1631451     1631452       Sample Date     04/09/1997     04/09/1997       Sample Time     11:15     11:20       Sample Depth     4' - 6'     6' - 8'       Laboratory     LEA     LEA       Lab. Number     97-2643-613     97-2644-614       Units	Sample ID       1631451       1631452       1631453         Sample Date       04/09/1997       04/09/1997       04/09/1997         Sample Time       11:15       11:20       11:30         Sample Depth       4' - 6'       6' - 8'       8' - 10'         Laboratory       LEA       LEA       LEA         Lab. Number       97-2643-613       97-2644-614       97-2645-615         Units	Sample ID       1631451       1631452       1631453       1631454         Sample Date       04/09/1997       04/09/1997       04/09/1997       04/09/1997         Sample Time       11:15       11:20       11:30       11:35         Sample Depth       4' - 6'       6' - 8'       8' - 10'       10' - 12'         Laboratory       LEA       LEA       LEA       LEA         Lab. Number       97-2643-613       97-2644-614       97-2645-615       97-2646-616         Units       Units	Sample ID     1631451     1631452     1631453     1631454     1631455       Sample Date     04/09/1997     04/09/1997     04/09/1997     04/09/1997     04/09/1997       Sample Time     11:15     11:20     11:30     11:35     11:45       Sample Depth     4' - 6'     6' - 8'     8' - 10'     10' - 12'     12' - 14'       Laboratory     LEA     LEA     LEA     LEA     LEA       Lab. Number     97-2643-613     97-2644-614     97-2645-615     97-2646-616     97-2649-619       Units     Units	Sample ID     1631451     1631452     1631453     1631454     1631455     1631456       Sample Date     04/09/1997     04/09/1997     04/09/1997     04/09/1997     04/09/1997     04/09/1997       Sample Time     11:15     11:20     11:30     11:35     11:45     11:50       Sample Depth     4' - 6'     6' - 8'     8' - 10'     10' - 12'     12' - 14'     14' - 16'       Laboratory     LEA     LEA     LEA     LEA     LEA     LEA       Lab. Number     97-2643-613     97-2644-614     97-2645-615     97-2646-616     97-2649-619     97-2650-620       Units     Units



DRAFT

### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL

P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 49 of 24
	Location ID	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163
	Sample ID	1631458	1631459	1631460	1631461	1631462	1631463	1631464
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	12:20	12:30	12:35	12:45	12:50	13:00	13:05
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2652-622	97-2653-623	97-2654-624	97-2656-626	97-2657-627	97-2658-628	97-2659-629
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997
Date Physical Analysed	-							
Date Semi-volatile Organics Analyzed	-	1						
Dinoseb	μg/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg							
Aramite	μg/kg							
Dibromo-3-chloropropane,1,2-	μg/kg							
Dimethoate	μg/kg							
Disulfoton	μg/kg							
Famphur	μg/kg							
Phorate	μg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Acenaphthene	μg/kg							
Acenaphthylene	μg/kg							
Acetophenone	μg/kg							
Aminobiphenyl,4-	μg/kg							
Aniline	μg/kg							

Page 50 of 248

								Page 50 of 2
	Location ID	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163
	Sample ID	1631458	1631459	1631460	1631461	1631462	1631463	1631464
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	12:20	12:30	12:35	12:45	12:50	13:00	13:05
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2652-622	97-2653-623	97-2654-624	97-2656-626	97-2657-627	97-2658-628	97-2659-629
Constituent	Units							
Anthracene	μg/kg							
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[ghi]perylene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Benzyl Alcohol	μg/kg							
Bis(2-chloroethoxy)methane	μg/kg							
Bis(2-chloroethyl) Ether	μg/kg							
Bis(2-ethylhexyl)phthalate	μg/kg							
Bromophenyl Phenyl Ether,4-	μg/kg							
Butyl Benzyl Phthalate	μg/kg							
Carbazole	μg/kg							
Chloro-m-cresol,p-	μg/kg							
Chloroaniline,4-	μg/kg							
Chloronaphthalene,2-	μg/kg							
Chlorophenol,2-	μg/kg							
Chlorophenyl Phenyl Ether,4-	μg/kg							
Chrysene	μg/kg							
Cresol,2-	μg/kg							
Cresol,3-	μg/kg							
Cresol,4-	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Di-n-octyl Phthalate	μg/kg							
Dibenzo[a,h]anthracene	μg/kg							
Dibenzofuran	μg/kg							
Dichloro-2-butylene, 1,4-trans-	μg/kg							

Notes: 1. Printed on 07/16/98

LΕΔ

DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 51 of 248
	Location ID	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163
	Sample ID	1631458	1631459	1631460	1631461	1631462	1631463	1631464
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	12:20	12:30	12:35	12:45	12:50	13:00	13:05
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA						
	Lab. Number	97-2652-622	97-2653-623	97-2654-624	97-2656-626	97-2657-627	97-2658-628	97-2659-629
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg							
Dichlorophenol,2,4-	μg/kg							
Diethyl Phthalate	μg/kg							
Dimethyl Phthalate	μg/kg	]						
Dimethylaminoazobenzene,4-	μg/kg							
Dimethylbenzidine,3,3'-	μg/kg							
Dimethylbenzo[a]anthracene,7,12-	μg/kg							
Dimethylphenethylamine,alpha,alpha-	μg/kg	1						
Dimethylphenol,2,4-	μg/kg							
Dinitro-o-cresol,4,6-	μ <b>g</b> /kg	1						
Dinitrobenzene, 1,3-	μg/kg							
Dinitrophenol,2,4-	μg/kg							
Dinitrotoluene,2,4-	μg/kg							
Dinitrotoluene,2,6-	μg/kg							
Diphenylamine	μg/kg							
Diphenylhydrazine, 1,2-	μg/kg							
Ethyl Methanesulfonate	μg/kg							
Fluoranthene	μg/kg							
Fluorene	μ <b>g/k</b> g							
Hexachlorobenzene	μg/kg							
Hexachlorobutadiene	μg/kg							
Hexachlorocyclopentadiene	μg/kg							
Hexachloroethane	μg/kg							
Hexachloropropylene	μg/kg							
Indeno(1,2,3-cd)pyrene	μg/kg							
Isophorone	μg/kg							
Isosafrole	μg/kg							
Methapyrilene	μg/kg							

Page 52 of 248

								Page 52 of 24
	Location ID	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163
	Sample ID	1631458	1631459	1631460	1631461	1631462	1631463	1631464
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	12:20	12:30	12:35	12:45	12:50	13:00	13:05
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2652-622	97-2653-623	97-2654-624	97-2656-626	97-2657-627	97-2658-628	97-2659-629
Constituent	Units							
Methyl Methanesulfonate	μg/kg							
Methylcholanthrene,3-	μg/kg							
Methylnaphthalene,2-	μg/kg							
N-nitroso-di-n-butylamine	μg/kg							
N-nitroso-n-propylamine	μg/kg							
N-nitrosodiethylamine	μg/kg							
N-nitrosodimethylamine	μg/kg							
N-nitrosodiphenylamine	μg/kg							
N-nitrosomethylethylamine	μg/kg							
N-nitrosomorpholine	μg/kg							
N-nitrosopiperidine	μg/kg							
Naphthalene	μg/kg							
Naphthoquinone, 1,4-	μg/kg							
Naphthylamine,alpha-	μg/kg							
Naphthylamine,beta-	μg/kg							
Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,2-	μg/kg							
Nitroaniline,3-	μg/kg							
Nitroaniline,4-	μg/kg							
Nitrobenzene	μg/kg							
Nitrophenol,2-	μg/kg							
Nitrophenol,4-	μg/kg							
Nitroquinoline-1-oxide,4-	μg/kg							
Nitrosopyrrolidine,n-	μg/kg							
Pentachlorophenol	μg/kg							
Phenacetin	μg/kg							
Phenanthrene	μg/kg							
Phenol	μg/kg							
otoni 1 Printed on 07/16/09						T.		

Page 53 of 248

								Page 53 of 248
	Location ID	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163
	Sample ID	1631458	1631459	1631460	1631461	1631462	1631463	1631464
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	12:20	12:30	12:35	12:45	12:50	13:00	13:05
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2652-622	97-2653-623	97-2654-624	97-2656-626	97-2657-627	97-2658-628	97-2659-629
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg							
Picoline,2-	μg/kg							
Pronamide	μg/kg							
Propanc),2,2'-oxybis(1-chloro-	μg/kg							
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg							
Pyridine	μg/kg							
Safrole	μg/kg							
Tetrachlorobenzene, 1, 2, 4, 5-	μg/kg	<u> </u>						
Tetrachlorophenol, 2, 3, 4, 6-	μg/kg							
Toluidine,o-	μg/kg						_	
Trichlorobenzene, 1, 2, 4-	μg/kg							
Trichlorophenol,2,4,5-	μg/kg							
Trichlorophenol,2,4,6-	μg/kg							
Triethyl Phosphorothioate,0,0,0-	μg/kg							
Acetone	μg/kg							
Acrolein	μg/kg							
Acrylonitrile	μg/kg							
Allyl Chloride	μg/kg							
Benzene	μg/kg	1						
Benzene (screening)	μg/kg	<14	<15	<15	<17 nc	<17 nc	<16	<16
Bromobenzene	μg/kg							
Bromoform	μg/kg							
Carbon Disulfide	μg/kg							
Carbon Tetrachloride	μg/kg							
Chlorobenzene	μg/kg							
Chlorodibromomethane	μg/kg							
Chloroethane	μg/kg	1						
		<u> La la la la la la la la la la la la la la</u>						

								Page 54 of 248
	Location ID	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163
	Sample ID	1631458	1631459	1631460	1631461	1631462	1631463	1631464
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	12:20	12:30	12:35	12:45	12:50	13:00	13:05
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2652-622	97-2653-623	97-2654-624	97-2656-626	97-2657-627	97-2658-628	97-2659-629
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg							
Chloroprene, beta-	μg/kg							
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg							
Dichlorobenzene,1,2-	μg/kg							
Dichlorobenzene,1,3-	μg/kg							
Dichlorobenzene,1,4-	μg/kg							
Dichlorobromomethane	μg/kg							
Dichlorodifluoromethane	μg/kg							
Dichloroethane, 1, 1-	μg/kg							
Dichloroethane,1,2-	μg/kg							
Dichloroethylene, 1, 1-	μg/kg							
Dichloroethylene, 1,2-cis-	μg/kg							
Dichloroethylene, 1,2-trans-	μg/kg							
Dichloropropane,1,2-	μg/kg							
Dichloropropylene,1,3-	μg/kg							
Dichloropropylene, 1,3-cis-	μg/kg							
Dichloropropylene,1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg							
Ethylbenzene (screening)	μg/kg	<20	<21	<22	<25 nc	<25 nc	<23	<23
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg							
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg							
Methyl Bromide	μg/kg							
Notes: 1 P-into-1 07/12/09								

Notes: 1. Printed on 07/16/98

LEΔ

### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Table 3

Page 55 of 248

								Page 55 of 24
	Location ID	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163
	Sample ID	1631458	1631459	1631460	1631461	1631462	1631463	1631464
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	12:20	12:30	12:35	12:45	12:50	13:00	13:05
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2652-622	97-2653-623	97-2654-624	97-2656-626	97-2657-627	97-2658-628	97-2659-629
Constituent	Units							
Methyl Chloride	μg/kg							
Methyl Ethyl Ketone	μg/kg							
Methyl Methacrylate	μg/kg							
Methyl-2-pentanone,4-	μg/kg							
Methyl-tert-butyl Ether	μg/kg							
Methylene Chloride	μg/kg							
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg							
Pentachloronitrobenzene	μg/kg							
Propionitrile	μg/kg							
Styrene	μg/kg							
Tetrachloroethane, 1, 1, 1, 2-	μg/kg							
Tetrachloroethane, 1, 1, 2, 2-	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	122	25 E	29 E	30 J nc	28 E nc	<24	<24
Toluene	μg/kg							
Toluene (screening)	μg/kg	<20	<21	<22	<24 nc	<24 nc	<23	<22
Trichloroethane,1,1,1-	μg/kg							
Trichloroethane,1,1,1- (screening)	μg/kg	<342	<361	<375	<415 nc	<415 nc	<390	<382
Trichloroethane,1,1,2-	μg/kg							
Trichloroethylene	μg/kg							
Trichloroethylene (screening)	μg/kg	37	<35	<36	<40 nc	<40 nc	<38	<37
Trichloromonofluoromethane	μg/kg							
Trichloropropane, 1, 2, 3-	μg/kg							
Vinyl Acetate	μg/kg							
Vinyl Chloride	μg/kg							
Xylene,o- (screening)	μg/kg	<28	<29	<b>3</b> 1	<34 nc	<34 nc	<32	<31
Xylenes (Total)	μg/kg							
7/16/08								



Page 56 of 248

								Page 56 of 2
	Location ID	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163	SK-SB-163
	Sample ID	1631458	1631459	1631460	1631461	1631462	1631463	1631464
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	12:20	12:30	12:35	12:45	12:50	13:00	13:05
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2652-622	97-2653-623	97-2654-624	97-2656-626	97-2657-627	97-2658-628	97-2659-629
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg	<15	<15	<16	<18 nc	<18 nc	<17	<16
		1						
				-				
		1	1					
A AMERICA AND A STATE OF THE ST			-					
		<del></del>						<del></del>
		<b></b>						
		<del> </del>	<del> </del>	<del> </del>				
		<u> </u>	-				· · · · · · · · · · · · · · · · · · ·	
	-	<del></del>				-		-

Notes: 1. Printed on 07/16/98

LEΔ

DRAFT

### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 57 of 248

								Page 5 / 01 248
	Location ID	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164
	Sample ID	1631465	1631466	1631467	1631468	1631469	1631470	1631471
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	13:20	13:25	13:35	13:40	13:50	13:55	14:00
	Sample Depth	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2660-630	97-2661-631	97-2662-632	97-2663-633	97-2664-634	97-2665-635	97-2666-636
Constituent	Units							
Date Metals Analyzed	<u> </u>							
Date Organics Analyzed		04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997
Date Physical Analysed	-							
Date Semi-volatile Organics Analyzed	-							
Dinoseb	μg/kg	<u> </u>						
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg	<u> </u>						
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg							
Aramite	μg/kg							
Dibromo-3-chloropropane,1,2-	μg/kg							
Dimethoate	μg/kg							
Disulfoton	μg/kg							
Famphur	μg/kg							
Phorate	μg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Acenaphthene	μg/kg							
Acenaphthylene	μg/kg							
Acetophenone	μg/kg							
Aminobiphenyl,4-	μg/kg	1						
Aniline	μg/kg							
Votes: 1 Printed on 07/16/09								



Page 58 of 248

								Page 58 of 24
	Location ID	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164
	Sample ID	1631465	1631466	1631467	1631468	1631469	1631470	1631471
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	13:20	13:25	13:35	13:40	13:50	13:55	14:00
	Sample Depth	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2660-630	97-2661-631	97-2662-632	97-2663-633	97-2664-634	97-2665-635	97-2666-636
Constituent	Units							
Anthracene	μg/kg							
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[ghi]perylene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Benzyl Alcohol	μg/kg							
Bis(2-chloroethoxy)methane	μg/kg							
Bis(2-chloroethyl) Ether	μg/kg							
Bis(2-ethylhexyl)phthalate	μg/kg							
Bromophenyl Phenyl Ether,4-	μg/kg							
Butyl Benzyl Phthalate	μg/kg							
Carbazole	μg/kg							
Chloro-m-cresol,p-	μg/kg							
Chloroaniline,4-	μg/kg							
Chloronaphthalene,2-	μg/kg							
Chlorophenol,2-	μg/kg							
Chlorophenyl Phenyl Ether,4-	μg/kg							
Chrysene	μg/kg							
Cresol,2-	μg/kg							
Cresol,3-	μg/kg							
Cresol,4-	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Di-n-octyl Phthalate	μg/kg							
Dibenzo[a,h]anthracene	μg/kg							
Dibenzofuran	μg/kg							
Dichloro-2-butylene,1,4-trans-	μg/kg							

DRAFT

## SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Table 3

Page 59 of 248

n ID ID Date Time Depth ory	SK-SB-164 1631465 04/09/1997 13:20 0' - 2' LEA	SK-SB-164 1631466 04/09/1997 13:25 2' - 4'	SK-SB-164 1631467 04/09/1997 13:35	SK-SB-164 1631468 04/09/1997	SK-SB-164 1631469 04/09/1997	SK-SB-164 1631470 04/09/1997	SK-SB-164 1631471
Date Time Depth ory	04/09/1997 13:20 0' - 2'	04/09/1997 13:25	04/09/1997	04/09/1997			
Time Depth ory	13:20 0' - 2'	13:25		<del></del>	04/09/1997	04/09/1997	
Depth ory	0' - 2'		13:35		1	U4/U3/1397	04/09/1997
ory		2' - 4'		13:40	13:50	13:55	14:00
	IFΔ		4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
mber	LUCA	LEA	LEA	LEA	LEA	LEA	LEA
	97-2660-630	97-2661-631	97-2662-632	97-2663-633	97-2664-634	97-2665-635	97-2666-636
	1		1				



Page 60 of 248

								Page 60 of 248
	Location ID	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164
	Sample ID	1631465	1631466	1631467	1631468	1631469	1631470	1631471
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	13:20	13:25	13:35	13:40	13:50	13:55	14:00
	Sample Depth	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2660-630	97-2661-631	97-2662-632	97-2663-633	97-2664-634	97-2665-635	97-2666-636
Constituent	Units							
Methyl Methanesulfonate	μg/kg	<u> </u>						
Methylcholanthrene,3-	μg/kg		}					
Methylnaphthalene,2-	μg/kg							
N-nitroso-di-n-butylamine	μg/kg							
N-nitroso-n-propylamine	μg/kg							
N-nitrosodiethylamine	μg/kg		_					
N-nitrosodimethylamine	μg/kg							
N-nitrosodiphenylamine	μg/kg							
N-nitrosomethylethylamine	μg/kg							
N-nitrosomorpholine	μg/kg							
N-nitrosopiperidine	μg/kg							
Naphthalene	μg/kg							
Naphthoquinone, 1,4-	μg/kg							
Naphthylamine,alpha-	μg/kg							
Naphthylamine,beta-	μg/kg							
Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,2-	μg/kg							
Nitroaniline,3-	μg/kg							
Nitroaniline,4-	μg/kg							
Nitrobenzene	μg/kg							
Nitrophenol,2-	μg/kg							
Nitrophenol,4-	μg/kg							
Nitroquinoline-1-oxide,4-	μg/kg							
Nitrosopyrrolidine,n-	μg/kg							
Pentachlorophenol	μg/kg						·	
Phenacetin	μg/kg							
Phenanthrene	μg/kg							
Phenol	μg/kg							
		1						

								Page 61 of 24
	Location ID	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164
	Sample ID	1631465	1631466	1631467	1631468	1631469	1631470	1631471
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	13:20	13:25	13:35	13:40	13:50	13:55	14:00
	Sample Depth	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2660-630	97-2661-631	97-2662-632	97-2663-633	97-2664-634	97-2665-635	97-2666-636
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg							
Picoline,2-	μg/kg							
Pronamide	μg/kg							
Propane),2,2'-oxybis(1-chloro-	μg/kg							
Propane),2,2'-oxybis(2-chloro-	μg/kg	<u> </u>						
Pyrene	μg/kg							
Pyridine	μg/kg							
Safrole	μg/kg							
Tetrachlorobenzene, 1,2,4,5-	μg/kg							
Tetrachlorophenol, 2, 3, 4, 6-	μg/kg							
Toluidine,o-	μg/kg							
Trichlorobenzene, 1, 2, 4-	μg/kg							
Trichlorophenol,2,4,5-	μg/kg							
Trichlorophenol,2,4,6-	μg/kg							
Triethyl Phosphorothioate,o,o,o-	μg/kg							
Acetone	μg/kg							
Acrolein	μg/kg							
Acrylonitrile	μg/kg	1						
Allyl Chloride	μg/kg							
Benzene	μg/kg							
Benzene (screening)	μg/kg	<14	<15	<13	<15	<16	<14	<16 nc
Bromobenzene	μg/kg							
Bromoform	μg/kg							
Carbon Disulfide	μg/kg							
Carbon Tetrachloride	μg/kg							
Chlorobenzene	μg/kg							
Chlorodibromomethane	μg/kg							
Chloroethane	μg/kg							



### Table 3 DRAFT

## SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 62 of 248

								Page 62 of 248
	Location ID	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164
	Sample ID	1631465	1631466	1631467	1631468	1631469	1631470	1631471
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	13:20	13:25	13:35	13:40	13:50	13:55	14:00
V	Sample Depth	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2660-630	97-2661-631	97-2662-632	97-2663-633	97-2664-634	97-2665-635	97-2666-636
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg							
Chloroprene,beta-	μg/kg							
Chlorotoluene,o-	μg/kg							``
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg							
Dichlorobenzene, 1,2-	μg/kg							
Dichlorobenzene, 1,3-	μg/kg							
Dichlorobenzene, 1,4-	μg/kg							
Dichlorobromomethane	μg/kg							
Dichlorodifluoromethane	μg/kg							
Dichloroethane, 1,1-	μg/kg							
Dichloroethane, 1, 2-	μg/kg							
Dichloroethylene,1,1-	μg/kg							
Dichloroethylene, 1, 2-cis-	μg/kg							
Dichloroethylene,1,2-trans-	μg/kg							
Dichloropropane,1,2-	μg/kg							
Dichloropropylene,1,3-	μg/kg							
Dichloropropylene,1,3-cis-	μg/kg							
Dichloropropylene, 1, 3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg							
Ethylbenzene (screening)	μg/kg	<20	<21	<19	<22	<23	<21	<24 nc
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg							
Iodomethane	μg/kg	1						
Methacrylonitrile	μg/kg							
Methyl Bromide	μg/kg							
Notes: 1 Print of an 07/16/09		<u> </u>						



								Page 63 of 2
	Location ID	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164
	Sample ID	1631465	1631466	1631467	1631468	1631469	1631470	1631471
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	13:20	13:25	13:35	13:40	13:50	13:55	14:00
	Sample Depth	0' - 2'	2' - 4'	4' - 6'	. 6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2660-630	97-2661-631	97-2662-632	97-2663-633	97-2664-634	97-2665-635	97-2666-636
Constituent	Units							
Methyl Chloride	μg/kg							
Methyl Ethyl Ketone	μg/kg							
Methyl Methacrylate	μg/kg							
Methyl-2-pentanone,4-	μg/kg							
Methyl-tert-butyl Ether	μg/kg							
Methylene Chloride	μg/kg							
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg							
Pentachloronitrobenzene	μg/kg							
Propionitrile	μg/kg							
Styrene	μg/kg	L.					31.0.01.1	
Tetrachloroethane,1,1,1,2-	μg/kg							
Tetrachloroethane, 1, 1, 2, 2-	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	33 E	206 J	34 E	27 E	41 E	57	64 nc
Toluene	μg/kg							
Toluene (screening)	μg/kg	<20	<21	<19	<22	<23	<20	<23 nc
Trichloroethane,1,1,1-	μg/kg							
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<342	<361	<325	<375	<390	<348	<398 nc
Trichloroethane,1,1,2-	μg/kg							
Trichloroethylene	μg/kg							
Trichloroethylene (screening)	μg/kg	<33	30 J	<32	<36	<38	<34	<39 nc
Trichloromonofluoromethane	μg/kg							
Trichloropropane, 1, 2, 3-	μg/kg							
Vinyl Acetate	μg/kg							
Vinyl Chloride	μg/kg							
Xylene,o- (screening)	μg/kg	<28	<29	<27	<31	<32	<28	<32 nc
Xylenes (Total)	μg/kg							



#### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 64 of 2
	Location ID	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164	SK-SB-164
	Sample ID	1631465	1631466	1631467	1631468	1631469	1631470	1631471
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	13:20	13:25	13:35	13:40	13:50	13:55	14:00
	Sample Depth	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2660-630	97-2661-631	97-2662-632	97-2663-633	97-2664-634	97-2665-635	97-2666-636
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg	<15	<15	<14	<16	<17	<15	<17 nc
				***************************************				
						<del>                                     </del>		
		1						_
		-		_				
				<del> </del>				
			1	<del>`</del>				
		1	<del></del>					

### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 65 of 24
	Location ID	SK-SB-164	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165
	Sample ID	1631472	1631473	1631474	1631475	1631476	1631477	1631478
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	14:05	14:25	14:30	14:40	14:45	14:55	15:00
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2667-637	97-2673-643	97-2674-644	97-2675-645	97-2676-646	97-2677-647	97-2655-625
Constituent	Units							
Date Metals Analyzed								
Date Organics Analyzed	-	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997
Date Physical Analysed	-							
Date Semi-volatile Organics Analyzed	•							
Dinoseb	μg/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg							
Aramite	μg/kg							
Dibromo-3-chloropropane,1,2-	μg/kg							
Dimethoate	μg/kg							
Disulfoton	μg/kg							
Famphur	μg/kg							
Phorate	μg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Acenaphthene	μg/kg							
Acenaphthylene	μg/kg							
Acetophenone	μg/kg							
Aminobiphenyl,4-	μg/kg							
Aniline	μg/kg			7				

Page 66 of 248

								Page 66 of 24
	Location ID	SK-SB-164	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165
	Sample ID	1631472	1631473	1631474	1631475	1631476	1631477	1631478
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	14:05	14:25	14:30	14:40	14:45	14:55	15:00
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2667-637	97-2673-643	97-2674-644	97-2675-645	97-2676-646	97-2677-647	97-2655-625
Constituent	Units							
Anthracene	μg/kg							
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[ghi]perylene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Benzyl Alcohol	μg/kg							
Bis(2-chloroethoxy)methane	μg/kg							
Bis(2-chloroethyl) Ether	μg/kg							
Bis(2-ethylhexyl)phthalate	μg/kg							
Bromophenyl Phenyl Ether,4-	μg/kg							
Butyl Benzyl Phthalate	μg/kg							
Carbazole	μg/kg							
Chloro-m-cresol,p-	μg/kg							
Chloroaniline,4-	μg/kg							
Chloronaphthalene,2-	μg/kg							
Chlorophenol,2-	μg/kg							
Chlorophenyl Phenyl Ether,4-	μg/kg							
Chrysene	μg/kg							
Cresol,2-	μg/kg							
Cresol,3-	μg/kg							
Cresol,4-	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Di-n-octyl Phthalate	μg/kg							
Dibenzo[a,h]anthracene	μg/kg							
Dibenzofuran	μg/kg							
Dichloro-2-butylene, 1,4-trans-	μg/kg							
otori I Printed on 07/14/09		1						

DRAFT

## SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 67 of 248

								Page 67 of 248
	Location ID	SK-SB-164	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165
	Sample ID	1631472	1631473	1631474	1631475	1631476	1631477	1631478
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	14:05	14:25	14:30	14:40	14:45	14:55	15:00
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2667-637	97-2673-643	97-2674-644	97-2675-645	97-2676-646	97-2677-647	97-2655-625
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg							
Dichlorophenol,2,4-	μg/kg							
Diethyl Phthalate	μg/kg							
Dimethyl Phthalate	μg/kg							
Dimethylaminoazobenzene,4-	μg/kg							
Dimethylbenzidine,3,3'-	μg/kg							
Dimethylbenzo[a]anthracene,7,12-	μg/kg							
Dimethylphenethylamine,alpha,alpha-	μg/kg							
Dimethylphenol,2,4-	μg/kg	<u> </u>						
Dinitro-o-cresol,4,6-	μg/kg							
Dinitrobenzene, 1,3-	μg/kg							
Dinitrophenol,2,4-	μg/kg							
Dinitrotoluene,2,4-	μg/kg							
Dinitrotoluene,2,6-	μg/kg							
Diphenylamine	μg/kg							
Diphenylhydrazine,1,2-	μg/kg							
Ethyl Methanesulfonate	μg/kg							
Fluoranthene	μg/kg							
Fluorene	μg/kg							
Hexachlorobenzene	μg/kg							
Hexachlorobutadiene	μg/kg							
Hexachlorocyclopentadiene	μg/kg							
Hexachloroethane	μg/kg							
Hexachloropropylene	μg/kg							
Indeno(1,2,3-cd)pyrene	μg/kg							
Isophorone	μg/kg							
Isosafrole	μg/kg							
Methapyrilene	μg/kg	1						
Notes: 1 Printed on 07/16/08								

Page 68 of 248

								Page 68 of 24
	Location ID	SK-SB-164	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165
	Sample ID	1631472	1631473	1631474	1631475	1631476	1631477	1631478
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	14:05	14:25	14:30	14:40	14:45	14:55	15:00
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2667-637	97-2673-643	97-2674-644	97-2675-645	97-2676-646	97-2677-647	97-2655-625
Constituent	Units							
Methyl Methanesulfonate	μg/kg							
Methylcholanthrene,3-	μg/kg							
Methylnaphthalene,2-	μg/kg							
N-nitroso-di-n-butylamine	μg/kg							
N-nitroso-n-propylamine	μg/kg							
N-nitrosodiethylamine	μg/kg							
N-nitrosodimethylamine	μg/kg							
N-nitrosodiphenylamine	μg/kg							
N-nitrosomethylethylamine	μg/kg							
N-nitrosomorpholine	μg/kg							
N-nitrosopiperidine	μg/kg							
Naphthalene	μg/kg							
Naphthoquinone, 1,4-	μg/kg							
Naphthylamine,alpha-	μg/kg							
Naphthylamine,beta-	μg/kg							
Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,2-	μg/kg							
Nitroaniline,3-	μg/kg							
Nitroaniline,4-	μg/kg							
Nitrobenzene	μg/kg							
Nitrophenol,2-	μg/kg							
Nitrophenol,4-	μg/kg							
Nitroquinoline-1-oxide,4-	μg/kg							
Nitrosopyrrolidine,n-	μg/kg							
Pentachlorophenol	μg/kg	1						
Phenacetin	μg/kg							
Phenanthrene	μg/kg							
Phenol	μg/kg							
Jotas: 1 Printed on 07/16/08		<u> </u>						



### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 69 of 2
	Location ID	SK-SB-164	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165
	Sample ID	1631472	1631473	1631474	1631475	1631476	1631477	1631478
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	14:05	14:25	14:30	14:40	14:45	14:55	15:00
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2667-637	97-2673-643	97-2674-644	97-2675-645	97-2676-646	97-2677-647	97-2655-625
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg							
Picoline,2-	μg/kg							
Pronamide	μg/kg							
Propane),2,2'-oxybis(1-chloro-	μg/kg							
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg							
Pyridine	μg/kg							
Safrole	μg/kg							
Tetrachlorobenzene, 1,2,4,5-	μg/kg							
Tetrachlorophenol,2,3,4,6-	μg/kg			:				
Toluidine,o-	μg/kg							
Trichlorobenzene, 1, 2, 4-	μg/kg							
Trichlorophenol,2,4,5-	μg/kg							
Trichlorophenol,2,4,6-	μg/kg							
Triethyl Phosphorothioate,o,o,o-	μg/kg							
Acetone	μg/kg							
Acrolein	μg/kg							
Acrylonitrile	μg/kg							
Allyl Chloride	μg/kg							
Benzene	μg/kg							
Benzene (screening)	μg/kg	<14	<16	<14	<14	14	<15	<14
Bromobenzene	μg/kg							
Bromoform	μg/kg							
Carbon Disulfide	μg/kg							
Carbon Tetrachloride	μg/kg							
Chlorobenzene	μg/kg							
Chlorodibromomethane	μg/kg							
Chloroethane	μg/kg							



### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL

### DRAFT

### P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 70 of 248
	Location ID	SK-SB-164	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165
	Sample ID	1631472	1631473	1631474	1631475	1631476	1631477	1631478
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	14:05	14:25	14:30	14:40	14:45	14:55	15:00
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2667-637	97-2673-643	97-2674-644	97-2675-645	97-2676-646	97-2677-647	97-2655-625
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg							
Chloroprene,beta-	μg/kg							
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg							
Dichlorobenzene,1,2-	μg/kg							
Dichlorobenzene,1,3-	μg/kg							
Dichlorobenzene, 1,4-	μg/kg							
Dichlorobromomethane	μg/kg							
Dichlorodifluoromethane	μg/kg					_		
Dichloroethane, 1,1-	μg/kg							
Dichloroethane, 1,2-	μg/kg							
Dichloroethylene,1,1-	μg/kg							
Dichloroethylene, 1, 2-cis-	μg/kg							
Dichloroethylene, 1,2-trans-	μg/kg							
Dichloropropane,1,2-	μg/kg					-		
Dichloropropylene,1,3-	μg/kg							
Dichloropropylene,1,3-cis-	μg/kg							
Dichloropropylene, 1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg							
Ethylbenzene (screening)	μg/kg	<20	<23	<20	<20	<20	<21	<20
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg							
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg							
Methyl Bromide	μg/kg		<del></del>	7				
J 1 - 07/1//09	1.5.5	1						

### DRAFT

### **SUMMARY OF ANALYTICAL RESULTS - SOIL** P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Methyl Chloride         µg/kg         Image: Company of the company of									Page 71 of 24
Sample   Map   M		Location ID	SK-SB-164	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165
Sample   Name		Sample ID	1631472	1631473	1631474	1631475	1631476	1631477	1631478
Sample Depth   N - 16   0 - 2   2 - 4   4 - 6   0 - 8   8 - 10   10 - 12		Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
Laboratory   LEA		Sample Time	14:05	14:25	14:30	14:40	14:45	14:55	15:00
Lab. Number   97.2667-637   97.2673-643   97.2674-644   97.2675-645   97.2676-646   97.2677-647   97.2655-625		Sample Depth	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
Constituent		Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
Methyl Chloride		Lab. Number	97-2667-637	97-2673-643	97-2674-644	97-2675-645	97-2676-646	97-2677-647	97-2655-625
Methyl Ethyl Ketone         µg/kg   <td>Constituent</td> <td>Units</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Constituent	Units							
Methyl Methacrylate         µg/kg	Methyl Chloride	μg/kg							
Methyl-2-pentanone,4-	Methyl Ethyl Ketone	μg/kg							
Methyl-tert-butyl Ether         μg/kg	Methyl Methacrylate	μg/kg							
Methylene Chloride         µg/kg	Methyl-2-pentanone,4-	μg/kg							
Pentachlorothane	Methyl-tert-butyl Ether	μg/kg							
Pentachloroethane   pg/kg	Methylene Chloride	μg/kg							
Pentachloronitrobenzene μg/kg	Pentachlorobenzene	μg/kg							
Propionitrile	Pentachloroethane	μg/kg							
Express	Pentachloronitrobenzene	μg/kg							
Fetrachloroethane, 1, 1, 1, 2-	Propionitrile	μg/kg							
Tetrachloroethane,1,1,2,2-  Tetrachloroethylene  \[ \begin{array}{cccccccccccccccccccccccccccccccccccc	Styrene	μg/kg							
Tetrachloroethylene   μg/kg	Tetrachloroethane, 1, 1, 1, 2-	μg/kg							
Tetrachloroethylene (screening)         μg/kg         <21         10 J         122         5 J         10 J         20 J         <21           Toluene         μg/kg	Tetrachloroethane, 1, 1, 2, 2-	μg/kg							
Toluene	Tetrachloroethylene	μg/kg							
Toluene (screening)	Tetrachloroethylene (screening)	μg/kg	<21	10 J	122	5 J	10 Ј	20 J	<21
Trichloroethane, 1, 1, 1-  Trichloroethane, 1, 1, 1-  Trichloroethane, 1, 1, 1-  Trichloroethane, 1, 1, 1-  Trichloroethane, 1, 1, 2-  Trichloroethane, 1, 1, 2-  Trichloroethylene  Trichloroethylene  Trichloroethylene (screening)  µg/kg  Trichloroethylene (screening)  µg/kg  Trichloromonofluoromethane  µg/kg  Trichloropopane, 1, 2, 3-  µg/kg  T	Toluene	μg/kg							
Trichloroethane, 1, 1, 1- (screening)         μg/kg         ⊲36         ⊲382         ⊲342         ⊲36         ⊲36         ⊲36         ⊲342           Trichloroethane, 1, 1, 2-         μg/kg <td< td=""><td>Toluene (screening)</td><td>μg/kg</td><td>&lt;19</td><td>&lt;22</td><td>&lt;20</td><td>&lt;19</td><td>&lt;19</td><td>&lt;21</td><td>&lt;20</td></td<>	Toluene (screening)	μg/kg	<19	<22	<20	<19	<19	<21	<20
Trichloroethane, 1, 1, 2-         μg/kg	Trichloroethane,1,1,1-	μg/kg							
Trichloroethylene         μg/kg         33         37         33         33         33         35         33           Trichloromonofluoromethane         μg/kg	Trichloroethane, 1, 1, 1- (screening)	μg/kg	<336	<382	<342	<336	<336	<361	<342
Trichloroethylene (screening)         μg/kg         33         <33         <33         <35         <33           Trichloromonofluoromethane         μg/kg <t< td=""><td>Trichloroethane, 1, 1, 2-</td><td>μg/kg</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Trichloroethane, 1, 1, 2-	μg/kg							
Trichloromonofluoromethane μg/kg	Trichloroethylene	μg/kg							
Trichloropropane, 1, 2, 3- μg/kg	Trichloroethylene (screening)	μg/kg	<33	<37	<33	<33	<33	<35	<33
Vinyl Acetate         μg/kg	Trichloromonofluoromethane	μg/kg							
Vinyl Chloride         μg/kg	Trichloropropane, 1, 2, 3-	μg/kg							
Xylene,ο- (screening) μg/kg <27 <31 . <28 <27 <27 <29 <28	Vinyl Acetate	μg/kg							
Xylene,ο- (screening) μg/kg <27 <31 . <28 <27 <27 <29 <28	Vinyl Chloride	μg/kg							
	Xylene,o- (screening)		<27	⊲31	. <28	<27	<27	<29	<28
	Xylenes (Total)								



### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 72 of 2
	Location ID	SK-SB-164	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165	SK-SB-165
	Sample ID	1631472	1631473	1631474	1631475	1631476	1631477	1631478
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	14:05	14:25	14:30	14:40	14:45	14:55	15:00
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2667-637	97-2673-643	97-2674-644	97-2675-645	97-2676-646	97-2677-647	97-2655-625
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg	<14	<16	<15	<14	<14	<15	<15
								-
							_	
		<u> </u>						-
		<u> </u>		-				
							-	
								<del>                                     </del>
		<b> </b>						<del></del>
							<del>-  </del>	
								<u> </u>
								<u> </u>
		-						
		<u> </u>						

Notes: 1. Printed on 07/16/98

LΕΔ

### DRAFT

## SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 73 of 248

								Page 73 of 2
	Location ID	SK-SB-165	SK-SB-165	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-166
	Sample ID	1631479	1631480	1631481	1631482	1631483	1631484	1631485
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	15:10	15:15	15:20	15:25	15:35	15:40	15:45
	Sample Depth	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2679-649	97-2680-650	97-2681-651	97-2683-654	97-2684-655	97-2685-656	97-2686-657
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997
Date Physical Analysed	-							
Date Semi-volatile Organics Analyzed	-							
Dinoseb	μg/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zine	mg/kg							
Acetylaminofluorene,2-	μg/kg							
Aramite	μg/kg							
Dibromo-3-chloropropane,1,2-	μg/kg							
Dimethoate	μg/kg							
Disulfoton	μg/kg							
Famphur	μg/kg							
Phorate	μg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Acenaphthene	μg/kg							
Acenaphthylene	μg/kg							
Acetophenone	μg/kg							
Aminobiphenyl,4-	μg/kg							
Aniline	μg/kg			1				<del>                                     </del>

#### Table 3 DRAFT

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 74 of 24
	Location ID	SK-SB-165	SK-SB-165	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-166
	Sample ID	1631479	1631480	1631481	1631482	1631483	1631484	1631485
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	15:10	15:15	15:20	15:25	15:35	15:40	15:45
	Sample Depth	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2679-649	97-2680-650	97-2681-651	97-2683-654	97-2684-655	97-2685-656	97-2686-657
Constituent	Units							
Anthracene	μg/kg							
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[ghi]perylene	μg/kg							
Benzo[k]fluoranthene	μg/kg	ł						
Benzyl Alcohol	μg/kg							
Bis(2-chloroethoxy)methane	μg/kg							
Bis(2-chloroethyl) Ether	μg/kg							
Bis(2-ethylhexyl)phthalate	μg/kg							
Bromophenyl Phenyl Ether,4-	μg/kg							
Butyl Benzyl Phthalate	μg/kg							
Carbazole	μg/kg							
Chloro-m-cresol,p-	μg/kg							
Chloroaniline,4-	μg/kg							
Chloronaphthalene,2-	μg/kg							
Chlorophenol,2-	μg/kg							
Chlorophenyl Phenyl Ether,4-	μg/kg							
Chrysene	μg/kg							
Cresol,2-	μg/kg							
Cresol,3-	μg/kg							
Cresol,4-	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Di-n-octyl Phthalate	μg/kg							
Dibenzo[a,h]anthracene	μg/kg							
Dibenzofuran	μg/kg							
Dichloro-2-butylene,1,4-trans-	μg/kg							

Page 75 of 248

							Page 75 of 2
Location ID	SK-SB-165	SK-SB-165	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-166
Sample ID	1631479	1631480	1631481	1631482	1631483	1631484	1631485
Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
Sample Time	15:10	15:15	15:20	15:25	15:35	15:40	15:45
Sample Depth	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'
Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
Lab. Number	97-2679-649	97-2680-650	97-2681-651	97-2683-654	97-2684-655	97-2685-656	97-2686-657
Units							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
	Sample ID Sample Date Sample Time Sample Depth Laboratory Lab. Number Units  µg/kg	Sample ID 1631479 Sample Date 04/09/1997 Sample Time 15:10 Sample Depth 12' - 14' Laboratory LEA Lab. Number 97-2679-649 Units µg/kg	Sample ID 1631479 1631480  Sample Date 04/09/1997 04/09/1997  Sample Time 15:10 15:15  Sample Depth 12' - 14' 14' - 16'  Laboratory LEA LEA  Lab. Number 97-2679-649 97-2680-650  Units  µg/kg	Sample ID 1631479 1631480 1631481  Sample Date 04/09/1997 04/09/1997 04/09/1997  Sample Time 15:10 15:15 15:20  Sample Depth 12'-14' 14'-16' 0'-2'  Laboratory LEA LEA LEA  Lab. Number 97-2679-649 97-2680-650 97-2681-651  Units	Sample ID 1631479 1631480 1631481 1631482  Sample Date 04/09/1997 04/09/1997 04/09/1997 04/09/1997  Sample Time 15:10 15:15 15:20 15:25  Sample Depth 12'-14' 14'-16' 0'-2' 2'-4'  Laboratory LEA LEA LEA LEA LEA LEA LEA LEA LAB. Number 97-2679-649 97-2680-650 97-2681-651 97-2683-654  Units	Sample DD 1631479 1631480 1631481 1631482 1631483 Sample Date 04/09/1997 04/09/1997 04/09/1997 04/09/1997 04/09/1997 Sample Time 15:10 15:15 15:20 15:25 15:35 Sample Depth 12'-14' 14'-16' 0'-2' 2'-4' 4'-6' Laboratory LEA LEA LEA LEA LEA LEA LEA Lab. Number 97-2679-649 97-2680-650 97-2681-651 97-2683-654 97-2684-655 Units pg/kg p	Sample ID Sample Date Sample Date  04/09/1997 04/09/199

Page 76 of 248

								Page 76 of 24
	Location ID	SK-SB-165	SK-SB-165	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-166
	Sample ID	1631479	1631480	1631481	1631482	1631483	1631484	1631485
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	15:10	15:15	15:20	15:25	15:35	15:40	15:45
	Sample Depth	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2679-649	97-2680-650	97-2681-651	97-2683-654	97-2684-655	97-2685-656	97-2686-657
Constituent	Units							
Methyl Methanesulfonate	μg/kg							
Methylcholanthrene,3-	μg/kg							
Methylnaphthalene,2-	μg/kg							
N-nitroso-di-n-butylamine	μg/kg							
N-nitroso-n-propylamine	μg/kg							
N-nitrosodiethylamine	μg/kg					<u> </u>		
N-nitrosodimethylamine	μg/kg							
N-nitrosodiphenylamine	μg/kg	1						
N-nitrosomethylethylamine	μg/kg							
N-nitrosomorpholine	μg/kg	1						
N-nitrosopiperidine	μg/kg							
Naphthalene	μg/kg							
Naphthoquinone, 1, 4-	μg/kg							
Naphthylamine,alpha-	μg/kg							
Naphthylamine,beta-	μg/kg							
Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,2-	μg/kg							
Nitroaniline,3-	μg/kg							
Nitroaniline,4-	μg/kg							
Nitrobenzene	μg/kg							
Nitrophenol,2-	μg/kg							
Nitrophenol,4-	μg/kg							
Nitroquinoline-1-oxide,4-	μg/kg							
Nitrosopyrrolidine,n-	μg/kg							
Pentachlorophenol	μg/kg							
Phenacetin	μg/kg							
Phenanthrene	μg/kg							
Phenol	μg/kg							

Notes: 1. Printed on 07/16/98

LEΔ

DRAFT

#### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 77 of 248

								Page 77 of 24
	Location ID	SK-SB-165	SK-SB-165	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-166
	Sample ID	1631479	1631480	1631481	1631482	1631483	1631484	1631485
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
-	Sample Time	15:10	15:15	15:20	15:25	15:35	15:40	15:45
	Sample Depth	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	LEA						
	Lab. Number	97-2679-649	97-2680-650	97-2681-651	97-2683-654	97-2684-655	97-2685-656	97-2686-657
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg							
Picoline,2-	μg/kg							
Pronamide	μg/kg							
Propane),2,2'-oxybis(1-chloro-	μg/kg							
Propanc),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg							
Pyridine	μg/kg							
Safrole	μg/kg							
Tetrachlorobenzene, 1, 2, 4, 5-	μg/kg							
Tetrachlorophenol,2,3,4,6-	μg/kg							
Toluidine,o-	μg/kg							
Trichlorobenzene,1,2,4-	μg/kg							
Trichlorophenol,2,4,5-	μg/kg							
Trichlorophenol,2,4,6-	μg/kg							
Triethyl Phosphorothioate,o,o,o-	μg/kg							
Acetone	μg/kg							
Acrolein	μg/kg							
Acrylonitrile	μg/kg							
Allyl Chloride	μg/kg							
Benzene	μ <b>g</b> /kg							
Benzene (screening)	μg/kg	<13	<16	<15	<16 nc	<13	<16	<15
Bromobenzene	μg/kg							
Bromoform	μg/kg							
Carbon Disulfide	μg/kg							
Carbon Tetrachloride	μg/kg							
Chlorobenzene	μg/kg							
Chlorodibromomethane	μg/kg							
Chloroethane	μg/kg	1						



Page 78 of 248

								Page 78 of 2
	Location ID	SK-SB-165	SK-SB-165	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-166
	Sample ID	1631479	1631480	1631481	1631482	1631483	1631484	1631485
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	15:10	15:15	15:20	15:25	15:35	15:40	15:45
	Sample Depth	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2679-649	97-2680-650	97-2681-651	97-2683-654	97-2684-655	97-2685-656	97-2686-657
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg							
Chloroprene,beta-	μg/kg					1		
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg							
Dichlorobenzene,1,2-	μg/kg							
Dichlorobenzene,1,3-	μg/kg							
Dichlorobenzene, 1,4-	μg/kg							
Dichlorobromomethane	μg/kg							
Dichlorodifluoromethane	μg/kg							
Dichloroethane, 1, 1-	μg/kg							
Dichloroethane, 1,2-	μg/kg							
Dichloroethylene,1,1-	μg/kg							
Dichloroethylene,1,2-cis-	μg/kg							
Dichloroethylene, 1,2-trans-	μg/kg							
Dichloropropane, 1,2-	μg/kg							
Dichloropropylene,1,3-	μg/kg							
Dichloropropylene,1,3-cis-	μg/kg							
Dichloropropylene,1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg							
Ethylbenzene (screening)	μg/kg	<19	<23	<21	<24 nc	<19	<23	<22
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg							
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg							
Methyl Bromide	μg/kg							

DRAFT

### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 70 of 248

							Page 79 of 24
Location ID	SK-SB-165	SK-SB-165	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-166
Sample ID	1631479	1631480	1631481	1631482	1631483	1631484	1631485
Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
Sample Time	15:10	15:15	15:20	15:25	15:35	15:40	15:45
Sample Depth	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'
Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
Lab. Number	97-2679-649	97-2680-650	97-2681-651	97-2683-654	97-2684-655	97-2685-656	97-2686-657
Units							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg	41 E	<24	30 E	<25 nc	<20	<24	<23
μg/kg							٧
μg/kg	<19	<22	<21	<23 nc	<18	<23	<21
μg/kg							
μg/kg	<325	<382	<361	<398 nc	<320	<390	<368
μg/kg							
μg/kg							
μg/kg	<32	<37	<35	<39 nc	<31	<38	<36
μg/kg							
μg/kg							
μg/kg							
	<27	<31	<29	<32 nc	<26	<32	<30
μg/kg							
	Sample ID Sample Date Sample Time Sample Depth Laboratory Lab. Number Units µg/kg	Sample ID 1631479 Sample Date 04/09/1997 Sample Time 15:10 Sample Depth 12' - 14' Laboratory LEA Lab. Number 97-2679-649 Units	Sample ID 1631479 1631480  Sample Date 04/09/1997 04/09/1997  Sample Time 15:10 15:15  Sample Depth 12' - 14' 14' - 16'  Laboratory LEA LEA  Lab. Number 97-2679-649 97-2680-650  Units  µg/kg	Sample ID 1631479 1631480 1631481  Sample Date 04/09/1997 04/09/1997 04/09/1997  Sample Time 15:10 15:15 15:20  Sample Depth 12' - 14' 14' - 16' 0' - 2'  Laboratory LEA LEA LEA  Lab. Number 97-2679-649 97-2680-650 97-2681-651  Units	Sample ID 1631479 1631480 1631481 1631482  Sample Date 04/09/1997 04/09/1997 04/09/1997 04/09/1997  Sample Time 15:10 15:15 15:20 15:25  Sample Depth 12'-14' 14'-16' 0'-2' 2'-4'  Laboratory LEA LEA LEA LEA LEA LEA LAB. Number 97-2679-649 97-2680-650 97-2681-651 97-2683-654  Units	Sample ID 1631479 1631480 1631481 1631482 1631483  Sample Date 04/09/1997 04/09/19PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	Sample ID 1631479 1631480 1631481 1631482 1631483 1631484 Sample Date 0409/1997 0409/19P7 0409/1997 0409/1997 0409/1997 0409/1997 0409/19P7 0409/1

								Page 80 of 24
	Location ID	SK-SB-165	SK-SB-165	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-166
	Sample ID	1631479	1631480	1631481	1631482	1631483	1631484	1631485
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997	04/09/1997
	Sample Time	15:10	15:15	15:20	15:25	15:35	15:40	15:45
	Sample Depth	12' - 14'	14' - 16'	0' - 2'	2' - 4'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2679-649	97-2680-650	97-2681-651	97-2683-654	97-2684-655	97-2685-656	97-2686-657
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg	<14	<16	<15	<17 nc	<14	<17	<16
			1					
						-		
	-							
		1						
		<b>†</b>						<del>-  </del>
		<del></del>				<del>-</del>		
			•			<del></del>		
		<u> </u>						
						<del></del>		
					<del></del>	<del></del>		
								<u> </u>
	-							
						<u> </u>		
otes: 1 Printed on 07/16/98		1	<del></del>					

#### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

		<u> </u>						Page 81 of 24
	Location ID	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-167
	Sample ID	1631486	1631487	1631488	1631490	1631491	1631492	1631493
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	15:50	15:55	16:00	09:45	09:50	09:55	10:05
	Sample Depth	10' - 12'	12' - 14'	14' - 16'	0.5' - 2.0'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2687-658	97-2688-659	97-2689-660	97-2692-663	97-2693-664	97-2694-665	97-2695-666
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	•	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997
Date Physical Analysed	-							
Date Semi-volatile Organics Analyzed	-							
Dinoseb	μg/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zine	mg/kg							
Acetylaminofluorene,2-	μg/kg							
Aramite	μg/kg							
Dibromo-3-chloropropane,1,2-	μg/kg							
Dimethoate	μg/kg							
Disulfoton	μg/kg							
Famphur	μg/kg							
Phorate	μg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Acenaphthene	μg/kg							
Acenaphthylene	μg/kg							
Acetophenone	μg/kg							
Aminobiphenyl,4-	μg/kg							
Aniline	μg/kg							
lotary 1 Printed on 07/16/08								



#### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 82 of 248

								Page 82 of 2
	Location ID	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-167
	Sample ID	1631486	1631487	1631488	1631490	1631491	1631492	1631493
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	15:50	15:55	16:00	09:45	09:50	09:55	10:05
	Sample Depth	10' - 12'	12' - 14'	14' - 16'	0.5' - 2.0'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2687-658	97-2688-659	97-2689-660	97-2692-663	97-2693-664	97-2694-665	97-2695-666
Constituent	Units							
Anthracene	μg/kg							
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[ghi]perylene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Benzyl Alcohol	μg/kg							
Bis(2-chloroethoxy)methane	μg/kg							
Bis(2-chloroethyl) Ether	μg/kg							
Bis(2-ethylhexyl)phthalate	μg/kg							
Bromophenyl Phenyl Ether,4-	μg/kg							
Butyl Benzyl Phthalate	μg/kg							
Carbazole	μg/kg							
Chloro-m-cresol,p-	μg/kg							
Chloroaniline,4-	μg/kg							
Chloronaphthalene,2-	μg/kg							
Chlorophenol,2-	μg/kg							
Chlorophenyl Phenyl Ether,4-	μg/kg							
Chrysene	μg/kg							
Cresol,2-	μg/kg							
Cresol,3-	μg/kg							
Cresol,4-	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Di-n-octyl Phthalate	μg/kg							
Dibenzo[a,h]anthracene	μg/kg							
Dibenzofuran	μg/kg							
Dichloro-2-butylene, 1,4-trans-	μg/kg			·				

Notes: 1. Printed on 07/16/98

LΕΔ

Page 83 of 248

							Page 83 of 2
Location ID	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-167
Sample ID	1631486	1631487	1631488	1631490	1631491	1631492	1631493
Sample Date	04/09/1997	04/09/1997	04/09/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
Sample Time	15:50	15:55	16:00	09:45	09:50	09:55	10:05
Sample Depth	10' - 12'	12' - 14'	14' - 16'	0.5' - 2.0'	4' - 6'	6' - 8'	8' - 10'
Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
Lab. Number	97-2687-658	97-2688-659	97-2689-660	97-2692-663	97-2693-664	97-2694-665	97-2695-666
Units							
μg/kg							
μg/kg							
μg/kg							
μg/kg	<u> </u>						
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
	Sample ID Sample Date Sample Time Sample Depth Laboratory Lab. Number Units µg/kg	Sample ID 1631486  Sample Date 04/09/1997  Sample Time 15:50  Sample Depth 10' - 12'  Laboratory LEA  Lab. Number 97-2687-658  Units	Sample Date 04/09/1997 04/09/1997  Sample Date 15:50 15:55  Sample Depth 10' - 12' 12' - 14'  Laboratory LEA LEA  Lab. Number 97-2687-658 97-2688-659  Units	Sample ID 1631486 1631487 1631488  Sample Date 04/09/1997 04/09/1997 04/09/1997  Sample Time 15:50 15:55 16:00  Sample Depth 10' - 12' 12' - 14' 14' - 16'  Laboratory LEA LEA LEA LEA  Lab. Number 97-2687-658 97-2688-659 97-2689-660  Units	Sample ID 1631486 1631487 1631488 1631490 Sample Date 04/09/1997 04/09/1997 04/09/1997 04/10/1997 Sample Time 15:50 15:55 16:00 09:45 Sample Date 10'-12' 12'-14' 14'-16' 0.5'-2.0' Laboratory LEA LEA LEA LEA LEA LEA  Lab. Number 97-2687-658 97-2688-659 97-2689-660 97-2692-663 Units  µg/kg	Sample ID 1631486 1631487 1631488 1631490 1631491 Sample Date 04/09/1997 04/09/1997 04/09/1997 04/10/1997 04/10/1997 Sample Time 15:50 15:55 16:00 09:45 09:50 Sample Depth 10' - 12' 12' - 14' 14' - 16' 0.5' - 2.0' 4' - 6' Laboratory LEA LEA LEA LEA LEA LEA LEA LEA LEA LEA	Sample ID 1631486 1631487 1631488 1631490 1631491 1631492 Sample Date 04/09/1997 04/09/1997 04/10/197 04/10/1997 04/10/10/197 04/10/197 04/10/197 04/10/10/197 04/10/197 04/10/10/197 04/10/1

#### DRAFT

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Table 3

							Page 84 of 24
Location ID	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-167
Sample ID	1631486	1631487	1631488	1631490	1631491	1631492	1631493
Sample Date	04/09/1997	04/09/1997	04/09/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
Sample Time	15:50	15:55	16:00	09:45	09:50	09:55	10:05
Sample Depth	10' - 12'	12' - 14'	14' - 16'	0.5' - 2.0'	4' - 6'	6' - 8'	8' - 10'
Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
Lab. Number	97-2687-658	97-2688-659	97-2689-660	97-2692-663	97-2693-664	97-2694-665	97-2695-666
Units							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
			1				
	Sample Date Sample Time Sample Depth Laboratory Lab. Number Units  µg/kg	Sample Date 04/09/1997  Sample Time 15:50  Sample Depth 10' - 12'  Laboratory LEA  Lab. Number 97-2687-658  Units  µg/kg	Sample Date 04/09/1997 04/09/1997  Sample Time 15:50 15:55  Sample Depth 10' - 12' 12' - 14'  Laboratory LEA LEA  Lab. Number 97-2687-658 97-2688-659  Units  µg/kg	Sample Date 04/09/1997 04/09/1997 04/09/1997 Sample Time 15:50 15:55 16:00 Sample Depth 10'-12' 12'-14' 14'-16' Laboratory LEA LEA LEA LEA Lab. Number 97-2687-658 97-2688-659 97-2689-660 Units  µg/kg	Sample Date 04/09/1997 04/09/1997 04/09/1997 04/10/1997  Sample Time 15:50 15:55 16:00 09:45  Sample Depth 10' - 12' 12' - 14' 14' - 16' 0.5' - 2.0'  Laboratory LEA LEA LEA LEA LEA  Lah. Number 97-2687-658 97-2688-659 97-2689-660 97-2692-663  Units	Sample Date         04/09/1997         04/09/1997         04/09/1997         04/10/1997         09/15         0	Sample Date 04/09/1997 04/09/1997 04/10/1997

Notes: 1. Printed on 07/16/98

LEΔ

DRAFT

#### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 85 of 248

							Page 85 of 243
Location ID	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-167
Sample ID	1631486	1631487	1631488	1631490	1631491	1631492	1631493
Sample Date	04/09/1997	04/09/1997	04/09/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
Sample Time	15:50	15:55	16:00	09:45	09:50	09:55	10:05
Sample Depth	10' - 12'	12' - 14'	14' - 16'	0.5' - 2.0'	4' - 6'	6' - 8'	8' - 10'
Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
Lab. Number	97-2687-658	97-2688-659	97-2689-660	97-2692-663	97-2693-664	97-2694-665	97-2695-666
Units							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
	<14	<14	<14	<17 ne	<16	<17 nc	<16
μg/kg							
	Sample ID Sample Date Sample Diepth Laboratory Lab. Number Units µg/kg	Sample ID 1631486  Sample Date 04/09/1997  Sample Time 15:50  Sample Depth 10' - 12'  Laboratory LEA  Lab. Number 97-2687-658  Units  µg/kg	Sample ID 1631486 1631487  Sample Date 04/09/1997 04/09/1997  Sample Time 15:50 15:55  Sample Depth 10' - 12' 12' - 14'  Laboratory LEA LEA  Lab. Number 97-2687-658 97-2688-659  Units  µg/kg	Sample ID 1631486 1631487 1631488  Sample Date 04/09/1997 04/09/1997 04/09/1997  Sample Time 15:50 15:55 16:00  Sample Depth 10' - 12' 12' - 14' 14' - 16'  Laboratory LEA LEA LEA  Lab. Number 97-2687-658 97-2688-659 97-2689-660  Units	Sample ID 1631486 1631487 1631488 1631490  Sample Date 04/09/1997 04/09/1997 04/09/1997 04/10/1997  Sample Time 15:50 15:55 16:00 09:45  Sample Depth 10'-12' 12'-14' 14'-16' 0.5'-2.0'  Laboratory LEA LEA LEA LEA LEA LEA LEA LEA LEA LEA	Sample DD 1631486 1631487 1631488 1631490 1631491 Sample Date 04/09/1997 04/09/1997 04/09/1997 04/10/1997 04/10/1997 Sample Time 15:50 15:55 16:00 09:45 09:50 Sample Depth 10'-12' 12'-14' 14'-16' 0.5'-2.0' 4'-6' Laboratory LEA LEA LEA LEA LEA LEA LEA LEA Lab. Number 97-2687-658 97-2688-659 97-2689-660 97-2692-663 97-2693-664  Units	Sample ID Sample Date 04/09/1997 04/09/1997 04/09/1997 04/09/1997 04/10/197 04/10/1997 04/10/1997 04/10/197 04/10/197 04/10/1997 04/10/197

Page 86 of 248

								Page 86 01 24
	Location ID	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-167
	Sample ID	1631486	1631487	1631488	1631490	1631491	1631492	1631493
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	15:50	15:55	16:00	09:45	09:50	09:55	10:05
	Sample Depth	10' - 12'	12' - 14'	14' - 16'	0.5' - 2.0'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2687-658	97-2688-659	97-2689-660	97-2692-663	97-2693-664	97-2694-665	97-2695-666
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg							
Chloroprene, beta-	μg/kg							
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg							
Dichlorobenzene,1,2-	μg/kg							
Dichlorobenzene,1,3-	μg/kg							
Dichlorobenzene,1,4-	μg/kg							
Dichlorobromomethane	μg/kg							
Dichlorodifluoromethane	μg/kg							
Dichloroethane,1,1-	μg/kg							
Dichloroethane,1,2-	μg/kg		·					
Dichloroethylene,1,1-	μg/kg							
Dichloroethylene, 1,2-cis-	μg/kg							
Dichloroethylene, 1,2-trans-	μg/kg							
Dichloropropane,1,2-	μg/kg							
Dichloropropylene, 1,3-	μg/kg							
Dichloropropylene, 1,3-cis-	μg/kg							
Dichloropropylene, 1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg							
Ethylbenzene (screening)	μg/kg	<21	<20	<20	<25 nc	<23	<25 nc	<23
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg							
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg							
Methyl Bromide	μg/kg							

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

**DRAFT** 

								Page 87 of 24
	Location ID	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-167
	Sample ID	1631486	1631487	1631488	1631490	1631491	1631492	1631493
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	15:50	15:55	16:00	09:45	09:50	09:55	10:05
	Sample Depth	10' - 12'	12' - 14'	14' - 16'	0.5' - 2.0'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2687-658	97-2688-659	97-2689-660	97-2692-663	97-2693-664	97-2694-665	97-2695-666
Constituent	Units							
Methyl Chloride	μg/kg							
Methyl Ethyl Ketone	μg/kg							
Methyl Methacrylate	μg/kg							
Methyl-2-pentanone,4-	μg/kg							
Methyl-tert-butyl Ether	μg/kg							
Methylene Chloride	μg/kg							
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg							
Pentachloronitrobenzene	μg/kg							
Propionitrile	μg/kg							
Styrene	μg/kg							
Tetrachloroethane, 1, 1, 1, 2-	μg/kg							
Tetrachloroethane, 1, 1, 2, 2-	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	101	<21	<21	47 E nc	177	107 nc	195
Toluene	μg/kg							
Toluene (screening)	μg/kg	<20	<20	<20	<24 nc	<22	<24 nc	<23
Trichloroethane, 1, 1, 1-	μg/kg							
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<348	<342	<342	<415 nc	<382	<415 nc	<390
Trichloroethane, 1, 1, 2-	μg/kg							
Trichloroethylene	μg/kg							
Trichloroethylene (screening)	μg/kg	<34	<33	<33	<40 nc	<37	<40 nc	<38
Trichloromonofluoromethane	μg/kg							
Trichloropropane,1,2,3-	μg/kg							
Vinyl Acetate	μg/kg							
Vinyl Chloride	μg/kg							
Xylene,o- (screening)	μg/kg	<28	<28	<28	<34 nc	<31	<34 nc	<32
Xylenes (Total)	μg/kg							



#### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 88 of 248

								Page 88 of 24
	Location ID	SK-SB-166	SK-SB-166	SK-SB-166	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-167
	Sample ID	1631486	1631487	1631488	1631490	1631491	1631492	1631493
	Sample Date	04/09/1997	04/09/1997	04/09/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	15:50	15:55	16:00	09:45	09:50	09:55	10:05
	Sample Depth	10' - 12'	12' - 14'	14' - 16'	0.5' - 2.0'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2687-658	97-2688-659	97-2689-660	97-2692-663	97-2693-664	97-2694-665	97-2695-666
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg	<15	<15	<15	<18 nc	<16	<18 nc	<17
-								
					-	<del></del>		-
								-
		<u> </u>						
		}		<del></del>				
						<u> </u>		-
		<b>-</b>						
								=
					,			
		,						
				.				

Notes: 1. Printed on 07/16/98

LΕΔ

#### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 89 of 248

								Page 89 of 24
	Location ID	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-168	SK-SB-168	SK-SB-168
	Sample ID	1631494	1631495	1631496	1631497	1631499	1631500	1631501
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	10:10	10:15	10:20	10:25	11:40	11:45	11:50
	Sample Depth	10' - 12'	10' - 12'	12' - 14'	14' - 16'	0.5' - 2'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2696-667	97-2697-668	97-2698-699	97-2699-670	97-2701-672	97-2703-674	97-2704-675
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997	04/14/1997
Date Physical Analysed	-							
Date Semi-volatile Organics Analyzed	-							
Dinoseb	μg/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg			<u> </u>				
Acetylaminofluorene,2-	μg/kg							
Aramite	μg/kg							
Dibromo-3-chloropropane,1,2-	μg/kg							
Dimethoate	μg/kg							
Disulfoton	μg/kg							
Famphur	μg/kg							
Phorate	μg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Acenaphthene	μg/kg							
Acenaphthylene	μg/kg							
Acetophenone	μg/kg							
Aminobiphenyl,4-	μg/kg	T						
Aniline	μg/kg							
otas: 1 P-inted on 07/16/09								



Page 90 of 248

								Page 90 of 2
	Location ID	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-168	SK-SB-168	SK-SB-168
	Sample ID	1631494	1631495	1631496	1631497	1631499	1631500	1631501
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	10:10	10:15	10:20	10:25	11:40	11:45	11:50
	Sample Depth	10' - 12'	10' - 12'	12' - 14'	14' - 16'	0.5' - 2'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2696-667	97-2697-668	97-2698-699	97-2699-670	97-2701-672	97-2703-674	97-2704-675
Constituent	Units							
Anthracene	μg/kg							
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[ghi]perylene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Benzyl Alcohol	μg/kg	<u></u>						
Bis(2-chloroethoxy)methane	μg/kg	1						
Bis(2-chloroethyl) Ether	μg/kg	<u> </u>	j					
Bis(2-ethylhexyl)phthalate	μg/kg							
Bromophenyl Phenyl Ether,4-	μg/kg							
Butyl Benzyl Phthalate	μg/kg							
Carbazole	μg/kg							
Chloro-m-cresol,p-	μg/kg							
Chloroaniline,4-	μg/kg							
Chloronaphthalene,2-	μg/kg							
Chlorophenol,2-	μg/kg							
Chlorophenyl Phenyl Ether,4-	μg/kg							
Chrysene	μg/kg							
Cresol,2-	μg/kg							
Cresol,3-	μg/kg							
Cresol,4-	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Di-n-octyl Phthalate	μg/kg							
Dibenzo[a,h]anthracene	μg/kg							
Dibenzofuran	μg/kg							
Dichloro-2-butylene, 1,4-trans-	μg/kg			1				

Notes: 1. Printed on 07/16/98

LΕΔ

DRAFT

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 91 of 24
	Location ID	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-168	SK-SB-168	SK-SB-168
	Sample ID	1631494	1631495	1631496	1631497	1631499	1631500	1631501
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	10:10	10:15	10:20	10:25	11:40	11:45	11:50
	Sample Depth	10' - 12'	10' - 12'	12' - 14'	14' - 16'	0.5' - 2'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2696-667	97-2697-668	97-2698-699	97-2699-670	97-2701-672	97-2703-674	97-2704-675
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg							
Dichlorophenol,2,4-	μg/kg							
Diethyl Phthalate	μg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylaminoazobenzene,4-	μg/kg							
Dimethylbenzidine,3,3'-	μg/kg							
Dimethylbenzo[a]anthracene,7,12-	μg/kg							
Dimethylphenethylamine,alpha,alpha-	μg/kg							
Dimethylphenol,2,4-	μg/kg							
Dinitro-o-cresol,4,6-	μg/kg							
Dinitrobenzene,1,3-	μg/kg							
Dinitrophenol,2,4-	μg/kg							
Dinitrotoluene,2,4-	μg/kg							
Dinitrotoluene,2,6-	μg/kg							
Diphenylamine	μg/kg							
Diphenylhydrazine,1,2-	μg/kg							
Ethyl Methanesulfonate	μg/kg							
Fluoranthene	μg/kg							
Fluorene	μg/kg							
Hexachlorobenzene	μg/kg							
Hexachlorobutadiene	μg/kg							
Hexachlorocyclopentadiene	μg/kg							
Hexachloroethane	μg/kg							
Hexachloropropylene	μg/kg							
Indeno(1,2,3-cd)pyrene	μg/kg							
Isophorone	μg/kg							
Isosafrole	μg/kg							
Methapyrilene	μg/kg	1						
Interior 1 Printed - 07/17/09								

Page 92 of 248

								Page 92 of 2
	Location ID	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-168	SK-SB-168	SK-SB-168
	Sample ID	1631494	1631495	1631496	1631497	1631499	1631500	1631501
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	10:10	10:15	10:20	10:25	11:40	11:45	11:50
	Sample Depth	10' - 12'	10' - 12'	12' - 14'	14' - 16'	0.5' - 2'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2696-667	97-2697-668	97-2698-699	97-2699-670	97-2701-672	97-2703-674	97-2704-675
Constituent	Units							
Methyl Methanesulfonate	μg/kg							
Methylcholanthrene,3-	μg/kg							
Methylnaphthalene,2-	μg/kg							
N-nitroso-di-n-butylamine	μg/kg							
N-nitroso-n-propylamine	μg/kg							
N-nitrosodiethylamine	μg/kg							
N-nitrosodimethylamine	μg/kg							
N-nitrosodiphenylamine	μg/kg							
N-nitrosomethylethylamine	μg/kg							
N-nitrosomorpholine	μg/kg							
N-nitrosopiperidine	μg/kg							
Naphthalene	μg/kg							
Naphthoquinone, 1,4-	μg/kg							
Naphthylamine,alpha-	μg/kg							
Naphthylamine,beta-	μg/kg							
Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,2-	μg/kg							
Nitroaniline,3-	μg/kg							
Nitroaniline,4-	μg/kg	1						
Nitrobenzene	μg/kg							
Nitrophenol,2-	μg/kg							
Nitrophenol,4-	μg/kg							
Nitroquinoline-1-oxide,4-	μg/kg							
Nitrosopyrrolidine,n-	μg/kg							
Pentachlorophenol	μg/kg							
Phenacetin	μg/kg							
Phenanthrene	μg/kg	1						
Phenol	μg/kg							
1 Div. I . 07/1//09								

Notes: 1. Printed on 07/16/98

LEA

#### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 93 of 248

								Page 93 of 24
	Location ID	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-168	SK-SB-168	SK-SB-168
	Sample ID	1631494	1631495	1631496	1631497	1631499	1631500	1631501
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	10:10	10:15	10:20	10:25	11:40	11:45	11:50
	Sample Depth	10' - 12'	10' - 12'	12' - 14'	14' - 16'	0.5' - 2'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2696-667	97-2697-668	97-2698-699	97-2699-670	97-2701-672	97-2703-674	97-2704-675
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg							
Picoline,2-	μg/kg							
Pronamide	μg/kg							
Propane),2,2'-oxybis(1-chloro-	μg/kg							
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg							
Pyridine	μg/kg							
Safrole	μg/kg	1						
Tetrachlorobenzene, 1, 2, 4, 5-	μg/kg							
Tetrachlorophenol, 2, 3, 4, 6-	μg/kg							
Toluidine,o-	μg/kg							
Trichlorobenzene, 1, 2, 4-	μg/kg							
Trichlorophenol,2,4,5-	μg/kg							
Trichlorophenol,2,4,6-	μg/kg							
Triethyl Phosphorothioate,o,o,o-	μg/kg	<u>                                     </u>						
Acetone	μg/kg	<u> </u>						
Acrolein	μg/kg							·
Acrylonitrile	μg/kg							
Allyl Chloride	μg/kg							
Benzene	μg/kg							
Benzene (screening)	μg/kg	<16 nc	<17 nc	<17 nc	<15	<14	<16 nc	<15
Bromobenzene	μg/kg							
Bromoform	μg/kg							
Carbon Disulfide	μg/kg							
Carbon Tetrachloride	μg/kg							
Chlorobenzene	μg/kg							
Chlorodibromomethane	μg/kg							
Chloroethane	μg/kg							



Page 94 of 248

								Page 94 of 24
	Location ID	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-168	SK-SB-168	SK-SB-168
	Sample ID	1631494	1631495	1631496	1631497	1631499	1631500	1631501
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	10:10	10:15	10:20	10:25	11:40	11:45	11:50
	Sample Depth	10' - 12'	10' - 12'	12' - 14'	14' - 16'	0.5' - 2'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2696-667	97-2697-668	97-2698-699	97-2699-670	97-2701-672	97-2703-674	97-2704-675
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg							
Chloroprene, beta-	μg/kg							
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg							
Dichlorobenzene,1,2-	μg/kg							
Dichlorobenzene,1,3-	μg/kg							
Dichlorobenzene, 1,4-	μg/kg							
Dichlorobromomethane	μg/kg							
Dichlorodifluoromethane	μg/kg							
Dichloroethane, 1, 1-	μg/kg							
Dichloroethane,1,2-	μg/kg							
Dichloroethylene, 1, 1-	μg/kg							
Dichloroethylene, 1,2-cis-	μg/kg							
Dichloroethylene, 1,2-trans-	μg/kg							
Dichloropropane, 1,2-	μg/kg							
Dichloropropylene,1,3-	μg/kg							
Dichloropropylene,1,3-cis-	μg/kg							
Dichloropropylene, 1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg							
Ethylbenzene (screening)	μg/kg	<24 nc	<24 nc	<24 nc	<22	<21	<24 nc	<22
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg							
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg							
Methyl Bromide	μg/kg	1						



DRAFT

### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 95 of 248

	Location ID	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-168	SK-SB-168	SK-SB-168
	Sample ID	1631494	1631495	1631496	1631497	1631499	1631500	1631501
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	10:10	10:15	10:20	10:25	11:40	11:45	11:50
	Sample Depth	10' - 12'	10' - 12'	12' - 14'	14' - 16'	0.5' - 2'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2696-667	97-2697-668	97-2698-699	97-2699-670	97-2701-672	97-2703-674	97-2704-675
Constituent	Units							
Methyl Chloride	μg/kg							
Methyl Ethyl Ketone	μg/kg							
Methyl Methacrylate	μg/kg							
Methyl-2-pentanone,4-	μg/kg							
Methyl-tert-butyl Ether	μg/kg							
Methylene Chloride	μg/kg							
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg							
Pentachloronitrobenzene	μg/kg							
Propionitrile	μg/kg							
Styrene	μg/kg							
Tetrachloroethane, 1, 1, 1, 2-	μg/kg							
Tetrachloroethane, 1, 1, 2, 2-	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	156 nc	141 nc	141 nc	<23	236	255 nc	94
Toluene	μg/kg	<u> </u>						
Toluene (screening)	μg/kg	<23 nc	<23 nc	<23 nc	<22	<20	<23 nc	<21
Trichloroethane, 1, 1, 1-	μg/kg							
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<398 nc	<406 nc	<406 nc	<375	<348	<398 nc	<368
Trichloroethane, 1, 1, 2-	μg/kg							
Trichloroethylene	μg/kg							
Trichloroethylene (screening)	μg/kg	<39 nc	<39 nc	<39 nc	<36	3 J	10 J nc	<36
Trichloromonofluoromethane	μg/kg							
Trichloropropane,1,2,3-	μg/kg							
Vinyl Acetate	μg/kg							
Vinyl Chloride	μg/kg							
Xylene,o- (screening)	μg/kg	<32 nc	<33 nc	<33 nc	<31	<28	<32 nc	<30
Xylenes (Total)	μg/kg							

#### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 96 of 248

								Page 96 of 2
	Location ID	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-167	SK-SB-168	SK-SB-168	SK-SB-168
	Sample ID	1631494	1631495	1631496	1631497	1631499	1631500	1631501
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	10:10	10:15	10:20	10:25	11:40	11:45	11:50
	Sample Depth	10' - 12'	10' - 12'	12' - 14'	14' - 16'	0.5' - 2'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2696-667	97-2697-668	97-2698-699	97-2699-670	97-2701-672	97-2703-674	97-2704-675
Constituent	Units							
Yylenes,m- & p- (screening)	μg/kg	<17 nc	<17 nc	<17 nc	<16	<15	<17 nc	<16
		<u> </u>						
· · · · · · · · · · · · · · · · · · ·								
		<del>-</del>						
		<del>                                     </del>	<del></del>		-+			
		<u>-  </u>						
								-
		-						
			<del></del>					
1. Description 07/17/09								

Page 97 of 248

		•						Page 97 of 248
	Location ID	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-169	SK-SB-169
	Sample ID	1631502	1631503	1631504	1631505	1631506	1631507	1631508
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	11:55	12:00	12:05	12:15	12:20	13:30	13:35
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0.5' - 2'	2' - 4'
	Laboratory	LEA						
	Lab. Number	97-2707-678	97-2708-679	97-2709-680	97-2710-681	97-2711-682	97-2715-686	97-2716-687
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	04/15/1997	04/15/1997	04/15/1997	04/15/1997	04/15/1997	04/15/1997	04/15/1997
Date Physical Analysed								
Date Semi-volatile Organics Analyzed	-							
Dinoseb	μg/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg							
Aramite	μ <b>g</b> /kg							
Dibromo-3-chloropropane,1,2-	μ <b>g</b> /kg							
Dimethoate	μg/kg							
Disulfoton	µg/kg							
Famphur	μg/kg							
Phorate	μ <b>g</b> /kg							
Total Petroleum Hydrocarbons	mg/kg							
Acenaphthene	μg/kg							
Acenaphthylene	μg/kg							
Acetophenone	μg/kg							
Aminobiphenyl,4-	μg/kg							
Aniline	μg/kg							
Notes: 1 Printed on 07/16/08								



### Table 3 DRAFT SUMMARY OF ANALYTICAL RESULTS - SOIL

### P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 98 of 248

								Page 98 of 248
	Location ID	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-169	SK-SB-169
	Sample ID	1631502	1631503	1631504	1631505	1631506	1631507	1631508
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	11:55	12:00	12:05	12:15	12:20	13:30	13:35
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0.5' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2707-678	97-2708-679	97-2709-680	97-2710-681	97-2711-682	97-2715-686	97-2716-687
Constituent	Units							
Anthracene	μg/kg							
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[ghi]perylene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Benzyl Alcohol	μg/kg							
Bis(2-chloroethoxy)methane	μg/kg							
Bis(2-chloroethyl) Ether	μg/kg							
Bis(2-ethylhexyl)phthalate	μg/kg							
Bromophenyl Phenyl Ether,4-	μg/kg							
Butyl Benzyl Phthalate	μg/kg							
Carbazole	μg/kg							
Chloro-m-cresol,p-	μg/kg							
Chloroaniline,4-	μg/kg							
Chloronaphthalene,2-	μg/kg							
Chlorophenol,2-	μg/kg							
Chlorophenyl Phenyl Ether,4-	μg/kg	<u> </u>						
Chrysene	μg/kg							
Cresol,2-	μg/kg							
Cresol,3-	μg/kg							
Cresol,4-	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Di-n-octyl Phthalate	μg/kg							
Dibenzo[a,h]anthracene	μg/kg							
Dibenzofuran	μg/kg							
Dichloro-2-butylene,1,4-trans-	μg/kg							



#### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 99 of 248

		_						Page 99 of 24
	Location ID	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-169	SK-SB-169
	Sample ID	1631502	1631503	1631504	1631505	1631506	1631507	1631508
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	11:55	12:00	12:05	12:15	12:20	13:30	13:35
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0.5' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2707-678	97-2708-679	97-2709-680	97-2710-681	97-2711-682	97-2715-686	97-2716-687
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg							
Dichlorophenol,2,4-	μg/kg							
Diethyl Phthalate	μg/kg							
Dimethyl Phthalate	με/kε							
Dimethylaminoazobenzene,4-	μg/kg							
Dimethylbenzidine,3,3'-	μg/kg							
Dimethylbenzo[a]anthracene,7,12-	μg/kg							
Dimethylphenethylamine,alpha,alpha-	μg/kg							
Dimethylphenol,2,4-	μg/kg							
Dinitro-o-cresol,4,6-	μg/kg							
Dinitrobenzene,1,3-	μg/kg							
Dinitrophenol,2,4-	μg/kg							
Dinitrotoluene,2,4-	μg/kg							
Dinitrotoluene,2,6-	μg/kg							
Diphenylamine	μg/kg							
Diphenylhydrazine,1,2-	μg/kg							
Ethyl Methanesulfonate	μg/kg							
Fluoranthene	μg/kg							
Fluorene	μg/kg							
Hexachlorobenzene	μg/kg							
Hexachlorobutadiene	μg/kg							
Hexachlorocyclopentadiene	μg/kg							
Hexachloroethane	μg/kg							
Hexachloropropylene	μg/kg							
Indeno(1,2,3-cd)pyrene	μg/kg							
Isophorone	μg/kg							
Isosafrole	μg/kg							
Methapyrilene	μg/kg							



Page 100 of 248

								Page 100 of 24
	Location ID	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-169	SK-SB-169
	Sample ID	1631502	1631503	1631504	1631505	1631506	1631507	1631508
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	11:55	12:00	12:05	12:15	12:20	13:30	13:35
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0.5' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2707-678	97-2708-679	97-2709-680	97-2710-681	97-2711-682	97-2715-686	97-2716-687
Constituent	Units							
Methyl Methanesulfonate	μg/kg							
Methylcholanthrene,3-	μg/kg							
Methylnaphthalene,2-	μg/kg							
N-nitroso-di-n-butylamine	μg/kg							
N-nitroso-n-propylamine	μg/kg							
N-nitrosodiethylamine	μg/kg							
N-nitrosodimethylamine	μg/kg							
N-nitrosodiphenylamine	μg/kg							
N-nitrosomethylethylamine	μg/kg							
N-nitrosomorpholine	μg/kg							
N-nitrosopiperidine	μg/kg							
Naphthalene	μg/kg							
Naphthoquinone, 1,4-	μg/kg							
Naphthylamine,alpha-	μg/kg							
Naphthylamine,beta-	μg/kg							
Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,2-	μg/kg							
Nitroaniline,3-	μg/kg							
Nitroaniline,4-	μg/kg							
Nitrobenzene	μg/kg							
Nitrophenol,2-	μg/kg							
Nitrophenol,4-	μg/kg							
Nitroquinoline-1-oxide,4-	μg/kg							
Nitrosopyrrolidine,n-	μg/kg							
Pentachlorophenol	μg/kg							
Phenacetin	μg/kg							
Phenanthrene	μg/kg			,				
Phenol	μg/kg							
		T						



**DRAFT** 

#### Table 3 **SUMMARY OF ANALYTICAL RESULTS - SOIL** P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 101 of 248

								Page 101 of 4
	Location ID	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-169	SK-SB-169
	Sample ID	1631502	1631503	1631504	1631505	1631506	1631507	1631508
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	11:55	12:00	12:05	12:15	12:20	13:30	13:35
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0.5' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2707-678	97-2708-679	97-2709-680	97-2710-681	97-2711-682	97-2715-686	97-2716-687
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg							
Picoline,2-	μg/kg							
Pronamide	μg/kg							
Propane),2,2'-oxybis(1-chloro-	μg/kg			•				
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg							
Pyridine	μg/kg							
Safrole	μg/kg							
Tetrachlorobenzene, 1, 2, 4, 5-	μg/kg							
Tetrachlorophenol,2,3,4,6-	μg/kg							
Toluidine,o-	μg/kg							
Trichlorobenzene, 1,2,4-	μg/kg							
Trichlorophenol,2,4,5-	μg/kg							
Trichlorophenol,2,4,6-	μg/kg							
Triethyl Phosphorothioate,o,o,o-	μg/kg							
Acetone	μg/kg							
Acrolein	μg/kg							
Acrylonitrile	μg/kg							
Allyl Chloride	μg/kg							
Benzene	μg/kg							
Benzene (screening)	μg/kg	<15	<15	<15	<15	<16	<78	<86 nc
Bromobenzene	μg/kg							
Bromoform	μg/kg							
Carbon Disulfide	μg/kg							
Carbon Tetrachloride	μg/kg							
Chlorobenzene	μg/kg							
Chlorodibromomethane	μg/kg							
Chloroethane	μg/kg							



#### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 102 of 248

								Page 102 of 24
	Location ID	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-169	SK-SB-169
	Sample ID	1631502	1631503	1631504	1631505	1631506	1631507	1631508
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	11:55	12:00	12:05	12:15	12:20	13:30	13:35
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0.5' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2707-678	97-2708-679	97-2709-680	97-2710-681	97-2711-682	97-2715-686	97-2716-687
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg							
Chloroprene, beta-	μg/kg							
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg							
Dichlorobenzene, 1,2-	μg/kg							
Dichlorobenzene, 1,3-	μg/kg							
Dichlorobenzene, 1,4-	μg/kg							
Dichlorobromomethane	μg/kg							
Dichlorodifluoromethane	μg/kg							
Dichloroethane, 1, 1-	μg/kg							
Dichloroethane,1,2-	μg/kg							
Dichloroethylene, 1, 1-	μg/kg							
Dichloroethylene,1,2-cis-	μg/kg							
Dichloroethylene, 1, 2-trans-	μg/kg							
Dichloropropane, 1,2-	μg/kg							
Dichloropropylene,1,3-	μg/kg							
Dichloropropylene, 1, 3-cis-	μg/kg							
Dichloropropylene, 1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg							
Ethylbenzene (screening)	μg/kg	<22	<21	<22	<21	<23	<113	<126 ne
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg							
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg							
Methyl Bromide	μg/kg							

Page 103 of 248

				···				Page 103 of 24
	Location ID	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-169	SK-SB-169
	Sample ID	1631502	1631503	1631504	1631505	1631506	1631507	1631508
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	11:55	12:00	12:05	12:15	12:20	13:30	13:35
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0.5' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2707-678	97-2708-679	97-2709-680	97-2710-681	97-2711-682	97-2715-686	97-2716-687
Constituent	Units							
Methyl Chloride	μg/kg							
Methyl Ethyl Ketone	μg/kg							
Methyl Methacrylate	μg/kg							
Methyl-2-pentanone,4-	μg/kg							
Methyl-tert-butyl Ether	μg/kg							
Methylene Chloride	μg/kg							
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg							
Pentachloronitrobenzene	μg/kg							
Propionitrile	μg/kg							
Styrene	μg/kg							
Tetrachloroethane, 1, 1, 1, 2-	μg/kg							
Tetrachloroethane, 1, 1, 2, 2-	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	147	244	197	193	<24	2110	1890 nc
Toluene	μg/kg							
Toluene (screening)	μg/kg	<22	<21	<21	<21	<22	<110	<122 nc
Trichloroethane, 1, 1, 1-	μg/kg							
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<375	<361	<368	<361	<382	<1910	<2120 nc
Trichloroethane, 1, 1, 2-	μg/kg							
Trichloroethylene	μg/kg							
Trichloroethylene (screening)	μg/kg	5 J	10 J	<36	<35	<37	<185	<205 nc
Trichloromonotluoromethane	μg/kg							
Trichloropropane, 1, 2, 3-	μg/kg							
Vinyl Acetate	μg/kg							
Vinyl Chloride	μg/kg							
Xylene,o- (screening)	μg/kg	<31	<29	<30	<29	<31	<156	<173 nc
Xylenes (Total)	μg/kg							

								Page 104 of 24
	Location ID	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-168	SK-SB-169	SK-SB-169
	Sample ID	1631502	1631503	1631504	1631505	1631506	1631507	1631508
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997
	Sample Time	11:55	12:00	12:05	12:15	12:20	13:30	13:35
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0.5' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2707-678	97-2708-679	97-2709-680	97-2710-681	97-2711-682	97-2715-686	97-2716-687
Constituent	Units							4,444
Xylenes,m- & p- (screening)	μg/kg	<16	<15	<16	<15	<16	<81	<90 nc
								· · ·
								<u> </u>
							-	
		T		·   <del> </del>				
		<del></del>	-					
			-					
								<del> </del>
				<del></del>				
		<u> </u>						
			_	<del> </del>				
		- <b>J</b>				<u> </u>		
		ļ						
		ļ						
		[	_ [					
		·						
		1						
		<del></del>						

Notes: 1. Printed on 07/16/98

LΕΔ

Page 105 of 248

								Page 105 of 2
	Location ID	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-171
	Sample ID	1631509	1631510	1631511	1631512	1631513	1631514	1631525
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/11/1997
	Sample Time	13:40	13:45	13:55	14:00	14:05	14:10	10:00
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2717-688	97-2718-689	97-2719-690	97-2720-691	97-2721-692	97-2722-693	97-2735-706
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	04/15/1997	04/15/1997	04/15/1997	04/15/1997	04/15/1997	04/15/1997	04/15/1997
Date Physical Analysed	-							
Date Semi-volatile Organics Analyzed	-							
Dinoseb	μg/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg							
Aramite	μg/kg							
Dibromo-3-chloropropane,1,2-	μg/kg							
Dimethoate	μg/kg							
Disulfoton	μg/kg							
Famphur	μg/kg							
Phorate	μg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Acenaphthene	μg/kg							
Acenaphthylene	μg/kg							
Acetophenone	μg/kg							
Aminobiphenyl,4-	μg/kg			,				
Aniline	μg/kg							

Page 106 of 248

								Page 106 of 24
	Location ID	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-171
	Sample ID	1631509	1631510	1631511	1631512	1631513	1631514	1631525
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/11/1997
	Sample Time	13:40	13:45	13:55	14:00	14:05	14:10	10:00
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2717-688	97-2718-689	97-2719-690	97-2720-691	97-2721-692	97-2722-693	97-2735-706
Constituent	Units							
Anthracene	μg/kg							
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[ghi]perylene	μg/kg							
Benzo[k]fluoranthene	μg/kg	1						
Benzyl Alcohol	μg/kg							
Bis(2-chloroethoxy)methane	μg/kg							
Bis(2-chloroethyl) Ether	μg/kg							
Bis(2-ethylhexyl)phthalate	μg/kg							
Bromophenyi Phenyl Ether,4-	μg/kg							
Butyl Benzyl Phthalate	μg/kg							
Carbazole	μg/kg							
Chloro-m-cresol,p-	μg/kg							
Chloroaniline,4-	μg/kg							
Chloronaphthalene,2-	μg/kg							
Chlorophenol,2-	μg/kg							
Chlorophenyl Phenyl Ether,4-	μg/kg							
Chrysene	μg/kg							
Cresol,2-	μg/kg							
Cresol,3-	μg/kg							
Cresol,4-	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Di-n-octyl Phthalate	μg/kg							
Dibenzo[a,h]anthracene	μg/kg							
Dibenzofuran	μg/kg							
Dichloro-2-butylene,1,4-trans-	μg/kg							
J-4 1 D 07/17/09		, I ,						



Table 3 DRAFT

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 107 of 24
	Location ID	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-171
	Sample ID	1631509	1631510	1631511	1631512	1631513	1631514	1631525
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/11/1997
	Sample Time	13:40	13:45	13:55	14:00	14:05	14:10	10:00
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2717-688	97-2718-689	97-2719-690	97-2720-691	97-2721-692	97-2722-693	97-2735-706
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg							
Dichlorophenol,2,4-	μg/kg							
Diethyl Phthalate	μg/kg							
Dimethyl Phthalate	μg/kg							
Dimethylaminoazobenzene,4-	μg/kg	,						
Dimethylbenzidine,3,3'-	μg/kg							
Dimethylbenzo[a]anthracene,7,12-	μg/kg					. "		
Dimethylphenethylamine,alpha,alpha-	μg/kg							
Dimethylphenol,2,4-	μg/kg							
Dinitro-o-cresol,4,6-	μg/kg							
Dinitrobenzene, 1,3-	μg/kg	:						
Dinitrophenol,2,4-	μg/kg							
Dinitrotoluene,2,4-	μg/kg							
Dinitrotoluene,2,6-	μg/kg							
Diphenylamine	μg/kg							
Diphenylhydrazine,1,2-	μg/kg							
Ethyl Methanesulfonate	μg/kg							
Fluoranthene	μg/kg							
Fluorene	μg/kg							
Hexachlorobenzene	μg/kg							
Hexachlorobutadiene	μg/kg							
Hexachlorocyclopentadiene	μg/kg							
Hexachloroethane	μg/kg							
Hexachloropropylene	μg/kg							
Indeno(1,2,3-cd)pyrene	μg/kg							
Isophorone	μg/kg							
Isosafrole	μg/kg							
Methapyrilene	μg/kg							

Page 108 of 248

								Page 108 of 24
	Location ID	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-171
	Sample ID	1631509	1631510	1631511	1631512	1631513	1631514	1631525
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/11/1997
	Sample Time	13:40	13:45	13:55	14:00	14:05	14:10	10:00
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2717-688	97-2718-689	97-2719-690	97-2720-691	97-2721-692	97-2722-693	97-2735-706
Constituent	Units							
Methyl Methanesulfonate	μg/kg							
Methylcholanthrene,3-	μg/kg							
Methylnaphthalene,2-	μg/kg							
N-nitroso-di-n-butylamine	μg/kg							
N-nitroso-n-propylamine	μg/kg							
N-nitrosodiethylamine	μg/kg	<u> </u>						
N-nitrosodimethylamine	μg/kg							
N-nitrosodiphenylamine	μg/kg							
N-nitrosomethylethylamine	μg/kg							
N-nitrosomorpholine	μg/kg							
N-nitrosopiperidine	μg/kg							
Naphthalene	μg/kg							
Naphthoquinone, 1,4-	μg/kg							
Naphthylamine,alpha-	μg/kg							
Naphthylamine,beta-	μg/kg							
Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,2-	μg/kg							
Nitroaniline,3-	μg/kg							
Nitroaniline,4-	μg/kg							
Nitrobenzene	μg/kg							
Nitrophenol,2-	μg/kg							
Nitrophenol,4-	μg/kg							
Nitroquinoline-1-oxide,4-	μg/kg							
Nitrosopyrrolidine,n-	μg/kg							
Pentachlorophenol	μg/kg							
Phenacetin	μg/kg							
Phenanthrene	μg/kg							
Phenol	μg/kg							
Notes: 1 Print of an 07/16/09								

Page 109 of 248

							Page 109 of 248
Location ID	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-171
Sample ID	1631509	1631510	1631511	1631512	1631513	1631514	1631525
Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/11/1997
Sample Time	13:40	13:45	13:55	14:00	14:05	14:10	10:00
Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'
Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
Lab. Number	97-2717-688	97-2718-689	97-2719-690	97-2720-691	97-2721-692	97-2722-693	97-2735-706
Units							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg	⊲1	<32	<30	<15	<14	<15	<14
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg	1						
	Sample ID Sample Date Sample Time Sample Depth Laboratory Lab. Number Units µg/kg	Sample ID 1631509  Sample Date 04/10/1997  Sample Time 13:40  Sample Depth 4'-6'  Laboratory LEA  Lab. Number 97-2717-688  Units  µg/kg	Sample ID 1631509 1631510  Sample Date 04/10/1997 04/10/1997  Sample Time 13:40 13:45  Sample Depth 4'-6' 6'-8'  Laboratory LEA LEA  Lab. Number 97-2717-688 97-2718-689  Units  µg/kg	Sample ID 1631509 1631510 1631511  Sample Date 04/10/1997 04/10/1997 04/10/1997  Sample Time 13:40 13:45 13:55  Sample Depth 4'-6' 6'-8' 8'-10'  Laboratory LEA LEA LEA LEA  Lab. Number 97-2717-688 97-2718-689 97-2719-690  Units	Sample ID 1631509 1631510 1631511 1631512 Sample Date 04/10/1997 04/10/1997 04/10/1997 04/10/1997 Sample Time 13:40 13:45 13:55 14:00 Sample Depth 4'-6' 6'-8' 8'-10' 10'-12' Laboratory LEA LEA LEA LEA LEA LEA LEA LEA LEA LEA	Sample ID   1631509   1631510   1631511   1631512   1631513     Sample Date   04/10/1997   04	Sample ID Sample Date 04/10/1997



Page 110 of 248

								Tage 110 01 246
	Location ID	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-171
	Sample ID	1631509	1631510	1631511	1631512	1631513	1631514	1631525
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/11/1997
	Sample Time	13:40	13:45	13:55	14:00	14:05	14:10	10:00
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2717-688	97-2718-689	97-2719-690	97-2720-691	97-2721-692	97-2722-693	97-2735-706
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg							
Chloroprene,beta-	μg/kg							
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg							
Dichlorobenzene,1,2-	μg/kg							
Dichlorobenzene,1,3-	μg/kg							
Dichlorobenzene,1,4-	μg/kg							
Dichlorobromomethane	μg/kg							
Dichlorodifluoromethane	μg/kg							
Dichloroethane, 1,1-	μg/kg							
Dichloroethane, 1,2-	μg/kg							
Dichloroethylene,1,1-	μg/kg							
Dichloroethylene,1,2-cis-	μg/kg							
Dichloroethylene,1,2-trans-	μg/kg							
Dichloropropane,1,2-	μg/kg							
Dichloropropylene,1,3-	μg/kg							
Dichloropropylene, 1,3-cis-	μg/kg							
Dichloropropylene, 1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg							
Ethylbenzene (screening)	μg/kg	<45	<46	<44	<22	<20	<22	<21
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg							
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg							
Methyl Bromide	μg/kg							
Notes: 1 Printed on 07/16/08								



DRAFT

### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 111 of 248

								Page 111 of 24
	Location ID	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-171
	Sample ID	1631509	1631510	1631511	1631512	1631513	1631514	1631525
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/11/1997
	Sample Time	13:40	13:45	13:55	14:00	14:05	14:10	10:00
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2717-688	97-2718-689	97-2719-690	97-2720-691	97-2721-692	97-2722-693	97-2735-706
Constituent	Units							
Methyl Chloride	μg/kg							
Methyl Ethyl Ketone	μg/kg							
Methyl Methacrylate	μg/kg							
Methyl-2-pentanone,4-	μg/kg							
Methyl-tert-butyl Ether	μg/kg							
Methylene Chloride	μg/kg							
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg							
Pentachloronitrobenzene	μg/kg							
Propionitrile	μg/kg							
Styrene	μg/kg							
Tetrachloroethane, 1, 1, 1, 2-	μg/kg							
Tetrachloroethane, 1, 1, 2, 2-	μg/kg	<u> </u>						
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	272	261	167	241	20 J	8 J	81
Toluene	μg/kg							
Toluene (screening)	μg/kg	<44	<45	<43	<22	<19	<22	<20
Trichloroethane, 1, 1, 1-	μg/kg							
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<765	<780	<736	<375	<336	<375	<348
Trichloroethane,1,1,2-	μg/kg							
Trichloroethylene	μg/kg							
Trichloroethylene (screening)	μg/kg	<74	<76	<71	<36	<33	<36	<34
Trichloromonofluoromethane	μg/kg							
Trichloropropane, 1, 2, 3-	μg/kg							
Vinyl Acetate	μg/kg							
Vinyl Chloride	μg/kg							
Xylene,o- (screening)	μg/kg	<62	<64	<60	<31	<27	<31	<28
Xylenes (Total)	μg/kg	1						
1. D								



### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 112 of 24
	Location ID	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-169	SK-SB-171
	Sample ID	1631509	1631510	1631511	1631512	1631513	1631514	1631525
	Sample Date	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/10/1997	04/11/1997
	Sample Time	13:40	13:45	13:55	14:00	14:05	14:10	10:00
	Sample Depth	4' - 6'	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2717-688	97-2718-689	97-2719-690	97-2720-691	97-2721-692	97-2722-693	97-2735-706
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg	<32	<33	<31	<16	<14	<16	<15
	100	1						
		····						
		<del></del>				<del> </del>		
								<del> </del>
								<del></del>
					_			
		1						
		<u> </u>						
		<del> </del>					<del>-  </del>	
		<b>-</b>						
1 0 4 1 07/17/00								

Notes: 1. Printed on 07/16/98

LEA

								Page 113 of 248
	Location ID	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171
	Sample ID	1631526	1631527	1631528	1631529	1631530	1631531	1631532
	Sample Date	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997
	Sample Time	10:05	10:15	10:30	10:30	10:35	10:45	10:50
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2736-707	97-2737-708	97-2738-709	97-2740-711	97-2741-712	97-2742-713	97-2743-714
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	04/15/1997	04/15/1997	04/15/1997	04/15/1997	04/15/1997	04/15/1997	04/15/1997
Date Physical Analysed	-							
Date Semi-volatile Organics Analyzed	-							
Dinoseb	μg/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg							
Aramite	μg/kg							
Dibromo-3-chloropropane,1,2-	μg/kg							
Dimethoate	μg/kg							
Disulfoton	μg/kg							
Famphur	μg/kg							
Phorate	μg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Acenaphthene	μg/kg							
Acenaphthylene	μg/kg							
Acetophenone	μg/kg							
Aminobiphenyl,4-	μg/kg							
Aniline	μg/kg							
otes: 1 Printed on 07/16/98	1,2-2	<u> </u>						



Page 114 of 248

							Page 114 of 2
Location ID	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171
Sample ID	1631526	1631527	1631528	1631529	1631530	1631531	1631532
Sample Date	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997
Sample Time	10:05	10:15	10:30	10:30	10:35	10:45	10:50
Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
Lab. Number	97-2736-707	97-2737-708	97-2738-709	97-2740-711	97-2741-712	97-2742-713	97-2743-714
Units							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg		• ·					
μg/kg	1						
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg		<del></del>					
	Sample ID Sample Date Sample Time Sample Depth Laboratory Lab. Number Units µg/kg	Sample ID 1631526  Sample Date 04/11/1997  Sample Time 10:05  Sample Depth 2' - 4'  Laboratory LEA  Lab. Number 97-2736-707  Units	Sample ID 1631526 1631527  Sample Date 04/11/1997 04/11/1997  Sample Time 10:05 10:15  Sample Depth 2' - 4' 4' - 6'  Laboratory LEA LEA  Lab. Number 97-2736-707 97-2737-708  Units  µg/kg	Sample ID 1631526 1631527 1631528  Sample Date 04/11/1997 04/11/1997 04/11/1997  Sample Time 10:05 10:15 10:30  Sample Depth 2' - 4' 4' - 6' 6' - 8'  Laboratory LEA LEA LEA  Lab. Number 97-2736-707 97-2737-708 97-2738-709  Units #g/kg	Sample ID 1631526 1631527 1631528 1631529  Sample Date 04/11/1997 04/11/1997 04/11/1997 04/11/1997  Sample Time 10:05 10:15 10:30 10:30  Sample Depth 2'-4' 4'-6' 6'-8' 6'-8'  Laboratory LEA LEA LEA LEA LEA LEA LEA LEA LAB, Number 97:2736-707 97:2737-708 97:2738-709 97:2740-711  Units	Sample DD 1631526 1631527 1631528 1631529 1631530  Sample Date 04/11/1997 04/	Sample ID 1631526 1631527 1631528 1631529 1631530 1631531  Sample Date 04/11/1997 04/11/



DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 115 of 24
	Location ID	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171
	Sample ID	1631526	1631527	1631528	1631529	1631530	1631531	1631532
	Sample Date	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997
	Sample Time	10:05	10:15	10:30	10:30	10:35	10:45	10:50
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2736-707	97-2737-708	97-2738-709	97-2740-711	97-2741-712	97-2742-713	97-2743-714
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg							
Dichlorophenol,2,4-	μg/kg							
Diethyl Phthalate	μg/kg							
Dimethyl Phthalate	μg/kg							
Dimethylaminoazobenzene,4-	μg/kg							
Dimethylbenzidine,3,3'-	μg/kg							
Dimethylbenzo[a]anthracene,7,12-	μg/kg							
Dimethylphenethylamine,alpha,alpha-	μg/kg							
Dimethylphenol,2,4-	μg/kg							
Dinitro-o-cresol,4,6-	μg/kg				-			
Dinitrobenzene,1,3-	μg/kg							
Dinitrophenol,2,4-	μg/kg							
Dinitrotoluene,2,4-	μg/kg							
Dinitrotoluene,2,6-	μg/kg							
Diphenylamine	μg/kg							
Diphenylhydrazine, 1,2-	μg/kg							
Ethyl Methanesulfonate	μg/kg							
Fluoranthene	μg/kg							
Fluorene	μg/kg							
Hexachlorobenzene	μg/kg							
Hexachlorobutadiene	μg/kg							
Hexachlorocyclopentadiene	μg/kg							
Hexachloroethane	μg/kg							
Hexachloropropylene	μg/kg							
Indeno(1,2,3-cd)pyrene	μg/kg							
Isophorone	μg/kg							
Isosafrole	μg/kg							
Methapyrilene	μg/kg							

Page 116 of 248

									Page 116 of 248
Sample Date   One   O		Location ID	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171
Sample Time   10.55   10.15   10.30   10.30   10.35   10.45   10.50     Sample Depth   2.4		Sample ID	1631526	1631527	1631528	1631529	1631530	1631531	1631532
Sample Depth   2-4°   4-6°   6-8°   8-10°   10-12°   12-14°   1		Sample Date	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997
Laboratory         LeA         LEA <th< td=""><td></td><td>Sample Time</td><td>10:05</td><td>10:15</td><td>10:30</td><td>10:30</td><td>10:35</td><td>10:45</td><td>10:50</td></th<>		Sample Time	10:05	10:15	10:30	10:30	10:35	10:45	10:50
Constituent         Units         97.2736-707         97.2737-708         97.2736-709         97.2740-711         97.2742-713         97.2742-713         97.2742-713         97.2743-714         PATASA TORIS           Methyl Mathanesulfonate         µ8/kg         1		Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
Constituent         Units		Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
Methyl Methanesulfonate         µg/kg		Lab. Number	97-2736-707	97-2737-708	97-2738-709	97-2740-711	97-2741-712	97-2742-713	97-2743-714
Methylcholanthrens,3-         µg/kg <th< td=""><td>Constituent</td><td>Units</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	Constituent	Units							
Methylnaphthalene,2-         µg/kg	Methyl Methanesulfonate	μg/kg							
N-nitroso-di-n-butylamine	Methylcholanthrene,3-	μg/kg							
N-nitrosodiethylamine   μg/kg   μg/	Methylnaphthalene,2-	μg/kg							
N-nitrosodirethylamine   μg/kg	N-nitroso-di-n-butylamine	μg/kg							
N-nitrosodimethylamine   μg/kg   μg	N-nitroso-n-propylamine	μg/kg							
N-nitrosodiphenylamine	N-nitrosodiethylamine	μg/kg							
N-nitrosomethylethylamine         µg/kg         Image: Control of the control of the	N-nitrosodimethylamine	μg/kg							
N-nitrosomorpholine   μg/kg	N-nitrosodiphenylamine	μg/kg							
N-nitrosopiperidine         μg/kg	N-nitrosomethylethylamine	μg/kg							
Naphthalene         μg/kg	N-nitrosomorpholine	μg/kg							
Naphthoquinone,1,4-         μg/kg	N-nitrosopiperidine	μg/kg							
Naphthylamine,alpha-         μg/kg <th< td=""><td>Naphthalene</td><td>μg/kg</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	Naphthalene	μg/kg							
Naphthylamine, beta-         μg/kg <td< td=""><td>Naphthoquinone, 1,4-</td><td>μg/kg</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Naphthoquinone, 1,4-	μg/kg							
Nitro-otoluidine,5-         µg/kg         Image: Control of the part of t	Naphthylamine,alpha-	μg/kg							
Nitroaniline,2-         μg/kg              Nitroaniline,3-         μg/kg   <	Naphthylamine,beta-	μg/kg							
Nitroaniline,3-         μg/kg              Nitroaniline,4-         μg/kg   <	Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,4-         μg/kg              Nitrobenzene         μg/kg <td>Nitroaniline,2-</td> <td>μg/kg</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Nitroaniline,2-	μg/kg							
Nitrobenzene         μg/kg	Nitroaniline,3-	μg/kg							
Nitrophenol,2-         μg/kg	Nitroaniline,4-	μg/kg	· _						
Nitrophenol,4-         μg/kg	Nitrobenzene	μg/kg	,						
Nitroquinoline-1-oxide,4-         μg/kg	Nitrophenol,2-	μg/kg							
Nitrosopyrrolidine,n-         μg/kg <t< td=""><td>Nitrophenol,4-</td><td>μg/kg</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Nitrophenol,4-	μg/kg							
Pentachlorophenol         μg/kg </td <td>Nitroquinoline-1-oxide,4-</td> <td>μg/kg</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Nitroquinoline-1-oxide,4-	μg/kg							
Phenacetin         μg/kg	Nitrosopyrrolidine,n-	μg/kg							
Phenanthrene µg/kg	Pentachlorophenol	μg/kg							
Phenanthrene µg/kg	Phenacetin	μg/kg							
	Phenanthrene								
	Phenol	μg/kg							

### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 117 of 24
	Location ID	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171
	Sample ID	163 1 5 2 6	1631527	1631528	1631529	1631530	1631531	1631532
	Sample Date	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997
	Sample Time	10:05	10:15	10:30	10:30	10:35	10:45	10:50
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2736-707	97-2737-708	97-2738-709	97-2740-711	97-2741-712	97-2742-713	97-2743-714
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg	<u> </u>		- 1				
Picoline,2-	μg/kg							
Pronamide	μg/kg	<u></u>						
Propane),2,2'-oxybis(1-chloro-	μg/kg		_					
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg							
Pyridine	μg/kg							
Safrole	μg/kg							
Tetrachlorobenzene, 1, 2, 4, 5-	μg/kg							
Tetrachlorophenol,2,3,4,6-	μg/kg							
Toluidine,o-	μg/kg							
Trichlorobenzene,1,2,4-	μg/kg							
Trichlorophenol,2,4,5-	μg/kg							
Trichlorophenol,2,4,6-	μg/kg							
Triethyl Phosphorothioate,0,0,0-	μg/kg							
Acetone	μg/kg							
Acrolein	μg/kg							
Acrylonitrile	μg/kg							
Allyl Chloride	μg/kg							
Benzene	μg/kg							
Benzene (screening)	μg/kg	<14	<15	<13	<15	<15	<16 nc	<14
Bromobenzene	μg/kg							
Bromoform	μg/kg							
Carbon Disulfide	μg/kg							
Carbon Tetrachloride	μg/kg							
Chlorobenzene	μg/kg							
Chlorodibromomethane	μg/kg							
Chloroethane	μg/kg							

## Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL

### DRAFT

### P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 118 of 248

			·					Page 118 of 248
	Location ID	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171
	Sample ID	1631526	1631527	1631528	1631529	1631530	1631531	1631532
	Sample Date	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997
	Sample Time	10:05	10:15	10:30	10:30	10:35	10:45	10:50
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2736-707	97-2737-708	97-2738-709	97-2740-711	97-2741-712	97-2742-713	97-2743-714
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg							
Chloroprene, beta-	μg/kg							
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg							
Dichlorobenzene,1,2-	μg/kg							
Dichlorobenzene,1,3-	μg/kg							
Dichlorobenzene, 1,4-	μg/kg							
Dichlorobromomethane	μg/kg							
Dichlorodifluoromethane	μg/kg							
Dichloroethane,1,1-	μg/kg							
Dichloroethane,1,2-	μg/kg							
Dichloroethylene, 1,1-	μg/kg							
Dichloroethylene, 1,2-cis-	μg/kg							
Dichloroethylene, 1,2-trans-	μg/kg							
Dichloropropane, 1,2-	μg/kg							
Dichloropropylene,1,3-	μg/kg							
Dichloropropylene,1,3-cis-	μg/kg							
Dichloropropylene,1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg							
Ethylbenzene (screening)	μg/kg	<20	<22	<19	<21	<22	<24 nc	<20
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg							
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg							
Methyl Bromide	μg/kg							
		<u> </u>						

Notes: 1. Printed on 07/16/98

LEΔ

### DRAFT

## SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 119 of 248

								Page 119 of 248
	Location ID	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171
	Sample ID	1631526	1631527	1631528	1631529	1631530	1631531	1631532
	Sample Date	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997
	Sample Time	10:05	10:15	10:30	10:30	10:35	10:45	10:50
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2736-707	97-2737-708	97-2738-709	97-2740-711	97-2741-712	97-2742-713	97-2743-714
Constituent	Units							
Methyl Chloride	μg/kg							
Methyl Ethyl Ketone	μg/kg							
Methyl Methacrylate	μg/kg							
Methyl-2-pentanone,4-	μg/kg							
Methyl-tert-butyl Ether	μg/kg							
Methylene Chloride	μg/kg							
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg							
Pentachloronitrobenzene	μg/kg							
Propionitrile	μg/kg							
Styrene	μg/kg							
Tetrachloroethane, 1, 1, 1, 2-	μg/kg							
Tetrachloroethane, 1, 1, 2, 2-	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	134	26 E	43 E	46 E	40 E	27 E nc	<21
Toluene	μg/kg							
Toluene (screening)	μg/kg	<20	<22	<18	<21	<22	<23 nc	<19
Trichloroethane, 1, 1, 1-	μg/kg							
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<342	<375	<320	<355	<375	<398 nc	<331
Trichloroethane, 1, 1, 2-	μg/kg							
Trichloroethylene	μg/kg							
Trichloroethylene (screening)	μg/kg	<33	<36	<31	<34	<36	<39 nc	<32
Trichloromonofluoromethane	μg/kg							
Trichloropropane,1,2,3-	μg/kg							
Vinyl Acetate	μg/kg							
Vinyl Chloride	μg/kg							
Xylene,o- (screening)	μg/kg	<28	<31	<26	<29	<31	<32 nc	<27
Xylenes (Total)	μg/kg							
Notes: 1 Printed on 07/16/98		<u></u>						



### DRAFT SUMMARY OF ANALYTICAL RESULTS - SOIL

### P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Dogg 120 of 249

								Page 120 of 248
	Location ID	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171	SK-SB-171
	Sample ID	1631526	1631527	1631528	1631529	1631530	1631531	1631532
	Sample Date	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997	04/11/1997
	Sample Time	10:05	10:15	10:30	10:30	10:35	10:45	10:50
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	97-2736-707	97-2737-708	97-2738-709	97-2740-711	97-2741-712	97-2742-713	97-2743-714
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg	<15	<16	<14	<15	<16	<17 nc	<14
			***************************************					
				-				
							-	
							****	
		-						
					····			
						-		<del></del>
		<u> </u>						
Votage 1 Deintad on 07/16/09								· · · · · · · · · · · · · · · · · · ·

								Page 121 of 2
	Location ID	SK-SB-171	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208
	Sample ID	1631533	1639663	1639663	1639664	1639664	1639665	1639666
	Sample Date	04/11/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	10:55	12:40	12:40	12:45	12:45	12:50	12:55
	Sample Depth	14' - 16'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	QUAN	LEA	QUAN	LEA	LEA
	Lab. Number	97-2744-715	35-7450-1010	A7H070159001	35-7451-1011	A7H070159002	35-7452-1012	35-7453-1013
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	04/15/1997	07/31/1997	08/11/1997	07/31/1997		07/31/1997	07/31/1997
Date Physical Analysed	-			08/13/1997		08/13/1997		
Date Semi-volatile Organics Analyzed	-			08/17/1997		08/17/1997		
Dinoseb	μg/kg			<400 U		<410 U		
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg			<400 U		<410 U		
Aramite	μg/kg			<400 U		<410 U		1
Dibromo-3-chloropropane,1,2-	μg/kg			<6.1 U				
Dimethoate	μg/kg			<400 U		<410 U		
Disulfoton	μg/kg			<400 U		<410 U		
Famphur	μg/kg			<400 U J		<410 U J		
Phorate	μg/kg			<400 U		<410 U		
Total Petroleum Hydrocarbons	mg/kg			<61 U		<62 U		
Acenaphthene	μg/kg			<400 U		<410 U		
Acenaphthylene	μg/kg			<400 U		<410 U		
Acetophenone	μg/kg			<400 U		<410 U		
Aminobiphenyl,4-	μg/kg			, <400 U		<410 U		
Aniline	μg/kg			<400 U		<410 U		



Page 122 of 248

							Page 122 01 246
Location ID	SK-SB-171	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208
Sample ID	1631533	1639663	1639663	1639664	1639664	1639665	1639666
Sample Date	04/11/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
Sample Time	10:55	12:40	12:40	12:45	12:45	12:50	12:55
Sample Depth	14' - 16'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
Laboratory	LEA	LEA	QUAN	LEA	QUAN	LEA	LEA
Lab. Number	97-2744-715	35-7450-1010	A7H070159001	35-7451-1011	A7H070159002	35-7452-1012	35-7453-1013
Units							
μg/kg			<400 U		<410 U		
μg/kg							
μg/kg			<400 U		<410 U		
μg/kg			<400 U	<u> </u>	<410 U		
μg/kg			<400 U		<410 U		
μg/kg			<400 U		<410 U		
μg/kg			<400 U		<410 U		
μg/kg			<810 U		<840 U		
μg/kg	ļ		<400 U		<410 U		
μg/kg			<400 U		<410 U		
μg/kg			<400 U		<410 U		
μg/kg			<400 U		<410 U		
μg/kg			<400 U		<410 U		
μg/kg			<400 U		<410 U		
μg/kg			<810 U		<840 U		
μg/kg			<400 U		<410 U		
μg/kg			<400 U		<410 U		
μg/kg			<400 U		<410 U		
μg/kg			<400 U		<410 U		
μg/kg			<400 U		<410 U		
μg/kg			<400 U		<410 U		
μg/kg			<400 U		<410 U		
μg/kg			<400 U		<410 U		
μg/kg			<400 U		<410 U		
μg/kg			<400 U		<410 U		
μg/kg			<400 U		<410 U		
			<400 U		<410 U		
μg/kg			<6111				
	Sample ID Sample Date Sample Time Sample Depth Laboratory Lab. Number Units  µg/kg	Sample ID 1631533 Sample Date 04/11/1997 Sample Time 10:55 Sample Depth 14' - 16' Laboratory LEA Lab. Number 97-2744-715 Units  µg/kg	Sample ID 1631533 1639663  Sample Date 04/11/1997 07/30/1997  Sample Time 10:55 12:40  Sample Depth 14' - 16' 0' - 2'  Laboratory LEA LEA  Lab. Number 97-2744-715 35-7450-1010  Units	Sample ID       1631533       1639663       1639663         Sample Date       04/11/1997       07/30/1997       07/30/1997         Sample Time       10:55       12:40       12:40         Sample Depth       14' - 16'       0' - 2'       0' - 2'         Laboratory       LEA       LEA       QUAN         Lab. Number       97-2744-715       35-7450-1010       A7H070159001         Units       4400 U       4400 U       4400 U         μg/kg       <400 U	Sample ID         1631533         1639663         1639664           Sample Date         04/11/1997         07/30/1997         07/30/1997         07/30/1997           Sample Time         10:55         12:40         12:40         12:45           Sample Depth         14'-16'         0'-2'         0'-2'         2'-4'           Laboratory         LEA         LEA         QUAN         LEA           Lab. Number         97-2744-715         35-7450-1010         A7H070159001         35-7451-1011           Units         4400 U         4400 U </td <td>Sample ID         1631533         1639663         1639664         1639664         1639664           Sample Date         04/11/1997         07/30/1997         07/30/1997         07/30/1997         07/30/1997           Sample Depth         10:55         12:40         12:45         12:45         12:45           Sample Depth         14'-16'         0'-2'         0'-2'         2'-4'         2'-4'           Laboratory         LEA         LEA         QUAN         LEA         QUAN           Lab. Number         97-2744-715         35-7450-1010         A7H070159001         35-7451-1011         A7H070159002           Units         400 U         &lt;410 U</td> <410 U	Sample ID         1631533         1639663         1639664         1639664         1639664           Sample Date         04/11/1997         07/30/1997         07/30/1997         07/30/1997         07/30/1997           Sample Depth         10:55         12:40         12:45         12:45         12:45           Sample Depth         14'-16'         0'-2'         0'-2'         2'-4'         2'-4'           Laboratory         LEA         LEA         QUAN         LEA         QUAN           Lab. Number         97-2744-715         35-7450-1010         A7H070159001         35-7451-1011         A7H070159002           Units         400 U         <410 U	Sample ID 1631533 1639663 1639663 1639664 1639664 1639665 Sample Date 04/11/1997 07/30/

Notes: 1. Printed on 07/16/98

LΕΔ

## Table 3 DRAFT SUMMARY OF ANALYTICAL RESULTS - SOIL

P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 123 of 248 Location ID SK-SB-171 SK-SB-208 SK-SB-208 SK-SB-208 SK-SB-208 SK-SB-208 SK-SB-208 1639663 1639664 1639666 Sample ID 1631533 1639663 1639664 1639665 Sample Date 04/11/1997 07/30/1997 07/30/1997 07/30/1997 07/30/1997 07/30/1997 07/30/1997 Sample Time 10:55 12:40 12:40 12:45 12:45 12:50 12:55 Sample Depth 14' - 16' 0' - 2' 0' - 2' 2' - 4' 2' - 4' 4' - 6' 6' - 8' LEA LEA **QUAN** LEA Laboratory OUAN LEA LEA Lab. Number 97-2744-715 35-7450-1010 A7H070159001 35-7451-1011 A7H070159002 35-7452-1012 35-7453-1013 Constituent Units Dichlorobenzidine,3,3'-<810 U <840 U μg/kg <400 U <410 U Dichlorophenol, 2, 4μg/kg Diethyl Phthalate μg/kg <400 U <410 U Dimethyl Phthalate <400 U <410 U μg/kg Dimethylaminoazobenzene,4μg/kg <400 U <410 U Dimethylbenzidine, 3,3'-<400 U <410 U µg/kg <400 U <410 U Dimethylbenzo[a]anthracene,7,12μg/kg Dimethylphenethylamine,alpha,alpha-<400 U J <410 U J μg/kg <400 U <410 U Dimethylphenol, 2,4μg/kg <1000 U Dinitro-o-cresol, 4,6-<1000 U μg/kg Dinitrobenzene, 1,3-<400 U <410 U μg/kg Dinitrophenol, 2,4-<1000 U <1000 U μg/kg <400 U <410 U Dinitrotoluene, 2,4μg/kg Dinitrotoluene, 2,6-<400 U <410 U μg/kg <400 U <410 U Diphenylamine μg/kg Diphenylhydrazine, 1,2μg/kg Ethyl Methanesulfonate <400 U μg/kg <410 U Fluoranthene <400 U <410 U μg/kg <400 U <410 U Fluorene μg/kg Hexachlorobenzene <400 U <410 U μg/kg Hexachlorobutadiene <400 U <410 U μg/kg Hexachlorocyclopentadiene μg/kg <400 U <410 U Hexachloroethane <400 U <410 U μg/kg <400 U <410 U Hexachloropropylene μg/kg <400 U <410 U Indeno(1,2,3-cd)pyrene μg/kg <400 U <410 U Isophorone μg/kg Isosafrole <400 U <410 U μg/kg <400 U <410 U Methapyrilene μg/kg

Page 124 of 248

							. ,	Page 124 of 24
	Location ID	SK-SB-171	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208
	Sample ID	1631533	1639663	1639663	1639664	1639664	1639665	1639666
	Sample Date	04/11/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	10:55	12:40	12:40	12:45	12:45	12:50	12:55
	Sample Depth	14' - 16'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	QUAN	LEA	QUAN	LEA	LEA
	Lab, Number	97-2744-715	35-7450-1010	A7H070159001	35-7451-1011	A7H070159002	35-7452-1012	35-7453-1013
Constituent	Units							
Methyl Methanesulfonate	μg/kg			<400 U		<410 U		
Methylcholanthrene,3-	μg/kg			<800 U	_L	<820 U		
Methylnaphthalene,2-	μg/kg			<400 U		<410 U		
N-nitroso-di-n-butylamine	μg/kg	1		<400 U		<410 U		
N-nitroso-n-propylamine	μg/kg			<400 U		<410 U		
N-nitrosodiethylamine	μg/kg			<400 U		<410 U		
N-nitrosodimethylamine	μg/kg			<400 U		<410 U		
N-nitrosodiphenylamine	μg/kg			<400 U		<410 U		
N-nitrosomethylethylamine	μg/kg		1	<400 U		<410 U		
N-nitrosomorpholine	μg/kg			<400 U		<410 U		
N-nitrosopiperidine	μg/kg			<400 U		<410 U		
Naphthalene	μg/kg			<400 U		<410 U		
Naphthoquinone, 1,4-	μg/kg			<400 U		<410 U		
Naphthylamine,alpha-	μg/kg			<400 U		<410 U		
Naphthylamine, beta-	μg/kg			<400 U		<410 U		
Nitro-o-toluidine,5-	μg/kg			<400 U		<410 U		
Nitroaniline,2-	μg/kg			<1000 U		<1000 U		
Nitroaniline,3-	μg/kg			<1000 U		<1000 U		
Nitroaniline,4-	μg/kg			<1000 U		<1000 U		
Nitrobenzene	μg/kg			<400 U		<410 U		
Nitrophenol,2-	μg/kg			<400 U		<410 U		
Nitrophenol,4-	μg/kg			<1000 U		<1000 U		
Nitroquinoline-1-oxide,4-	μg/kg			<400 U		<410 U		
Nitrosopyrrolidine,n-	μg/kg			<400 U		<410 U		
Pentachlorophenol	μg/kg			<1000 U		<1000 U		
Phenacetin	μg/kg			<400 U		<410 U		
Phenanthrene	μg/kg			<400 U		<410 U		
Phenol	μg/kg			<400 U		<410 U		



								Page 125 of 248
	Location ID	SK-SB-171	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208
	Sample ID	1631533	1639663	1639663	1639664	1639664	1639665	1639666
	Sample Date	04/11/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	10:55	12:40	12:40	12:45	12:45	12:50	12:55
	Sample Depth	14' - 16'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	QUAN	LEA	QUAN	LEA	LEA
	Lab. Number	97-2744-715	35-7450-1010	A7H070159001	35-7451-1011	A7H070159002	35-7452-1012	35-7453-1013
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg			<400 U J		<410 U J		
Picoline,2-	μg/kg			<400 U		<410 U		
Pronamide	μg/kg			<400 U		<410 U		
Propano),2,2'-oxybis(1-chloro-	μg/kg	<u>i</u>		<400 U		<410 U		
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Ругепе	μg/kg			<400 U		<410 U		
Pyridine	μg/kg			<400 U		<410 U		
Safrole	μg/kg			<400 U		<410 U		
Tetrachlorobenzene, 1, 2, 4, 5-	μg/kg			<400 U		<410 U		
Tetrachlorophenol, 2, 3, 4, 6-	μg/kg			<400 U		<410 U		
Toluidine,o-	μg/kg			<400 U		<410 U		
Trichlorobenzene, 1, 2, 4-	μg/kg			<400 U		<410 U		
Trichlorophenol,2,4,5-	μg/kg			<400 U		<410 U		
Trichlorophenol,2,4,6-	μg/kg			<400 U		<410 U		
Triethyl Phosphorothioate,o,o,o-	μg/kg			<400 U		<410 U		
Acetone	μg/kg			<120 U				
Acrolein	μg/kg	<u> </u>		<61 U				
Acrylonitrile	μg/kg			<61 U				
Allyl Chloride	μg/kg			<120 U				
Benzene	μg/kg			<6.1 U				
Benzene (screening)	μg/kg	<15	<8 nc		<8		<7	<7
Bromobenzene	μg/kg							
Bromoform	μg/kg			<6.1 U				
Carbon Disulfide	μg/kg			<6.1 U				
Carbon Tetrachloride	μg/kg			<6.1 U				
Chlorobenzene	μg/kg			<6.1 U				
Chlorodibromomethane	μg/kg			<6.1 U				
Chloroethane	μg/kg			<12 U				



Page 126 of 248

								Page 126 of 2
	Location ID	SK-SB-171	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208
	Sample ID	1631533	1639663	1639663	1639664	1639664	1639665	1639666
	Sample Date	04/11/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	10:55	12:40	12:40	12:45	12:45	12:50	12:55
	Sample Depth	14' - 16'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	QUAN	LEA	QUAN	LEA	LEA
	Lab, Number	97-2744-715	35-7450-1010	A7H070159001	35-7451-1011	A7H070159002	35-7452-1012	35-7453-1013
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg			<6.1 U				
Chloroprene, beta-	μg/kg			<6.1 U				
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg			<6.1 U				
Dichlorobenzene, 1,2-	μg/kg			<400 U		<410 U		
Dichlorobenzene, 1,3-	μg/kg			<400 U		<410 U		
Dichlorobenzene, 1,4-	μg/kg			<400 U		<410 U		
Dichlorobromomethane	μg/kg			<6.1 U				
Dichlorodifluoromethane	μg/kg			<6.1 U				
Dichloroethane, 1, 1-	μg/kg			<6.1 U				
Dichloroethane, 1,2-	μg/kg			<6.1 U				
Dichloroethylene, 1, 1-	μg/kg			<6.1 U				
Dichloroethylene, 1,2-cis-	μg/kg			<6.1 U				
Dichloroethylene, 1,2-trans-	μg/kg			<6.1 U				
Dichloropropane,1,2-	μg/kg			<6.1 U				
Dichloropropylene, 1,3-	μg/kg			<6.1 U				
Dichloropropylene, 1,3-cis-	μg/kg							
Dichloropropylene, 1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg			<6.1 U				
Ethylbenzene	μg/kg			<6.1 U				
Ethylbenzene (screening)	μg/kg	<22	<12 nc		<11		<11	<9
Ethylene Dibromide	μg/kg			<6.1 U				
Hexanone,2-	μg/kg			<61 U J				
Iodomethane	μg/kg			<6.1 U				- T
Methacrylonitrile	μg/kg			<6.1 U				
Methyl Bromide	μg/kg	1		<12 U				



DRAFT

### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 127 of 24
	Location ID	SK-SB-171	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208
	Sample ID	1631533	1639663	1639663	1639664	1639664	1639665	1639666
	Sample Date	04/11/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	10:55	12:40	12:40	12:45	12:45	12:50	12:55
	Sample Depth	14' - 16'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	QUAN	LEA	QUAN	LEA	LEA
	Lab. Number	97-2744-715	35-7450-1010	A7H070159001	35-7451-1011	A7H070159002	35-7452-1012	35-7453-1013
Constituent	Units							
Methyl Chloride	μg/kg			<12 U				
Methyl Ethyl Ketone	μg/kg			<120 U				
Methyl Methacrylate	μg/kg			<6.1 U				
Methyl-2-pentanone,4-	μg/kg			<12 U				
Methyl-tert-butyl Ether	μg/kg			<6.1 U				
Methylene Chloride	μg/kg			<6.1 U				
Pentachlorobenzene	μg/kg			<400 U		<410 U		
Pentachloroethane	μg/kg			<400 U		<410 U		
Pentachloronitrobenzene	μg/kg			<400 U		<410 U		
Propionitrile	μg/kg			<24 U				
Styrene	μg/kg			<6.1 U				
Tetrachloroethane, 1, 1, 1, 2-	μg/kg			<6.1 U				
Tetrachloroethane, 1, 1, 2, 2-	μg/kg			<6.1 U				
Tetrachloroethylene	μg/kg			<6.1 U				
Tetrachloroethylene (screening)	μg/kg	<23	<13 nc		<12		<11	<10
Toluene	μg/kg			<6.1 U				
Toluene (screening)	μg/kg	<22	<12 nc		<11		<10	<9
Trichloroethane, 1, 1, 1-	μg/kg			<6.1 U				
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<375	<207 nc		<188		<177	<160
Trichloroethane, 1, 1, 2-	μg/kg			<6.1 U				
Trichloroethylene	μg/kg			<6.1 U				
Trichloroethylene (screening)	μg/kg	<36	<20 nc		<18		<17	<16
Trichloromonofluoromethane	μg/kg			<6.1 U				
Trichloropropane, 1, 2, 3-	μg/kg			<6.1 U				
Vinyl Acetate	μg/kg			<6.1 U				
Vinyl Chloride	μg/kg			<12 U				
Xylene,o- (screening)	μg/kg	⊲1	<17 nc		<15		<15	<13
Xylenes (Total)	μg/kg			<6.1 U				



## Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL

P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 128 of 248

**DRAFT** 

		1	T	T	<del></del>			Page 128 of
	Location ID	SK-SB-171	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208
	Sample ID	1631533	1639663	1639663	1639664	1639664	1639665	1639666
	Sample Date	04/11/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	10:55	12:40	12:40	12:45	12:45	12:50	12:55
	Sample Depth	14' - 16'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	QUAN	LEA	QUAN	LEA	LEA
	Lab. Number	97-2744-715	35-7450-1010	A7H070159001	35-7451-1011	A7H070159002	35-7452-1012	35-7453-1013
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg	<16	<9 nc		<8		<8	<7
		<u> </u>						
			<u> </u>					<b>—</b>
								<del></del>
			-					
				<del></del>				
		<u> </u>						
				<del>                                     </del>	<del>                                     </del>			
	7.1.1.1.1					<del>-  </del>		
1								
		-		<del></del>	<del> </del>			
			<u> </u>			<del> </del>	<del></del>	

### DRAFT

## SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 129 of 248

		<b></b>						Page 129 of 2
	Location ID	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208
	Sample ID	1639667	1639668	1639668	1639669	1639669	1639670	1639671
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:00	13:05	13:05	13:05	13:05	13:15	13:20
	Sample Depth	8' - 10'	10' - 12'	10' - 12'	10' - 12'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA	LEA	QUAN	LEA	QUAN	LEA	LEA
	Lab. Number	35-7454-1014	35-7458-1018	A7H070159006	35-7457-1017	A7H070159007	35-7459-1019	35-7460-1020
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	•	07/31/1997	07/31/1997	08/11/1997	07/31/1997	08/11/1997	07/31/1997	07/31/1997
Date Physical Analysed	•			08/13/1997		08/13/1997		
Date Semi-volatile Organics Analyzed	<b>-</b>			08/18/1997		08/17/1997		
Dinoseb	μg/kg			<410 U		<400 U		
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg			<410 U		<400 U		
Aramite	μg/kg			<410 U		<400 U		
Dibromo-3-chloropropane,1,2-	μg/kg			<6.2 U		<6.1 U		
Dimethoate	μg/kg			<410 U		<400 U		
Disulfoton	μg/kg			<410 U		<400 U		
Famphur	μg/kg			<410 U J		<400 U J		
Phorate	μg/kg			<410 U		<400 U		
Total Petroleum Hydrocarbons	mg/kg			<62 U		<61 U		
Acenaphthene	μg/kg			<410 U		<400 U		
Acenaphthylene	μg/kg			<410 U		<400 U		
Acetophenone	μg/kg			<410 U		<400 U		
Aminobiphenyl,4-	μg/kg			<410 U		<400 U		
Aniline	μg/kg			<410 U		<400 U		



Page 130 of 248

								Page 130 of 2
	Location ID	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208
	Sample ID	1639667	1639668	1639668	1639669	1639669	1639670	1639671
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:00	13:05	13:05	13:05	13:05	13:15	13:20
	Sample Depth	8' - 10'	10' - 12'	10' - 12'	10' - 12'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA	LEA	QUAN	LEA	QUAN	LEA	LEA
	Lab. Number	35-7454-1014	35-7458-1018	A7H070159006	35-7457-1017	A7H070159007	35-7459-1019	35-7460-1020
Constituent	Units							
Anthracene	μg/kg			<410 U		<400 U		
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg			<410 U		<400 U		
Benzo[a]pyrene	μg/kg			<410 U		<400 U		
Benzo[b]fluoranthene	μg/kg			<410 U		<400 U		
Benzo[ghi]perylene	μg/kg			<410 U		<400 U		
Benzo[k]fluoranthene	μg/kg			<410 U		<400 U		
Benzyl Alcohol	μg/kg	L		<830 U		<820 U		
Bis(2-chloroethoxy)methane	μg/kg			<410 U		<400 U		
Bis(2-chloroethyl) Ether	μg/kg			<410 U		<400 U		
Bis(2-ethylhexyl)phthalate	μg/kg			<410 U		<400 U		
Bromophenyl Phenyl Ether,4-	μg/kg			<410 U		<400 U		
Butyl Benzyl Phthalate	μg/kg			<410 U		<400 U		
Carbazole	μg/kg			<410 U		<400 U		
Chloro-m-cresol,p-	μg/kg			<830 U		<820 U		
Chloroaniline,4-	μg/kg			<410 U		<400 U		
Chloronaphthalene,2-	μg/kg			<410 U		<400 U		
Chlorophenol,2-	μg/kg			<410 U		<400 U		
Chlorophenyl Phenyl Ether,4-	μg/kg			<410 U		<400 U		
Chrysene	μg/kg			<410 U		<400 U		
Cresol,2-	μg/kg			<410 U		<400 U		
Cresol,3-	μg/kg			<410 U		<400 U		
Cresol,4-	μg/kg			<410 U		<400 U		
Di-n-butyl Phthalate	μg/kg			<410 U		<400 U		
Di-n-octyl Phthalate	μg/kg			<410 U		<400 U		
Dibenzo[a,h]anthracene	μg/kg			<410 U		<400 U		
Dibenzofuran	μg/kg			<410 U		<400 U		
Dichloro-2-butylene, 1,4-trans-	μg/kg			<6.2 U		<6.1 U		

Notes: 1. Printed on 07/16/98

LEA

DRAFT

## SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Table 3

Page 131 of 248

								Page 131 of 2
	Location ID	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208
	Sample ID	1639667	1639668	1639668	1639669	1639669	1639670	1639671
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:00	13:05	13:05	13:05	13:05	13:15	13:20
	Sample Depth	8' - 10'	10' - 12'	10' - 12'	10' - 12'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA	LEA	QUAN	LEA	QUAN	LEA	LEA
_	Lab. Number	35-7454-1014	35-7458-1018	A7H070159006	35-7457-1017	А7Н070159007	35-7459-1019	35-7460-1020
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg			<830 U		<820 U		
Dichlorophenol,2,4-	μg/kg			<410 U		<400 U		
Diethyl Phthalate	μg/kg			<410 U J		<400 U		
Dimethyl Phthalate	μg/kg			<410 U		<400 U		
Dimethylaminoazobenzene,4-	μg/kg			<410 U		<400 U		
Dimethylbenzidine,3,3'-	μg/kg			<410 U		<400 U		
Dimethylbenzo[a]anthracene,7,12-	μg/kg			<410 U		<400 U		
Dimethylphenethylamine,alpha,alpha-	μg/kg			<410 U J		<400 U J		
Dimethylphenol,2,4-	μg/kg			<410 U		<400 U		
Dinitro-o-cresol,4,6-	μg/kg			<1000 U		<1000 U		
Dinitrobenzene,1,3-	μg/kg			<410 U		<400 U		
Dinitrophenol,2,4-	μg/kg			<1000 U		<1000 U		
Dinitrotoluene,2,4-	μg/kg			<410 U		<400 U		
Dinitrotoluene,2,6-	μg/kg			<410 U		<400 U		
Diphenylamine	μg/kg			<410 U		<400 U		
Diphenylhydrazine, 1,2-	μg/kg							
Ethyl Methanesulfonate	μg/kg	<u> </u>		<410 U		<400 U		
Fluoranthene	μg/kg			<410 U		<400 U		
Fluorene	μg/kg			<410 U		<400 U		
Hexachlorobenzene	μg/kg			<410 U		<400 U		
Hexachlorobutadiene	μg/kg			<410 U		<400 U		
Hexachlorocyclopentadiene	μg/kg			<410 U		<400 U		
Hexachloroethane	μg/kg			<410 U		<400 U		
Hexachloropropylene	μg/kg			<410 U		<400 U		
Indeno(1,2,3-cd)pyrene	μg/kg			<410 U		<400 U		
Isophorone	μg/kg			<410 U		<400 U		
Isosafrole	μg/kg			<410 U		<400 U		
Methapyrilene	μg/kg			<410 U		<400 U		



Page 132 of 248

								Page 132 of 2
	Location ID	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208
	Sample ID	1639667	1639668	1639668	1639669	1639669	1639670	1639671
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:00	13:05	13:05	13:05	13:05	13:15	13:20
	Sample Depth	8' - 10'	10' - 12'	10' - 12'	10' - 12'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA	LEA	QUAN	LEA	QUAN	LEA	LEA
	Lab. Number	35-7454-1014	35-7458-1018	A7H070159006	35-7457-1017	A7H070159007	35-7459-1019	35-7460-1020
Constituent	Units							
Methyl Methanesulfonate	μg/kg			<410 U		<400 U		
Methylcholanthrene,3-	μg/kg			<810 U J		<810 U		
Methylnaphthalene,2-	μg/kg			<410 U		<400 U		
N-nitroso-di-n-butylamine	μg/kg			<410 U		<400 U		
N-nitroso-n-propylamine	μg/kg			<410 U		<400 U		
N-nitrosodiethylamine	μg/kg			<410 U		<400 U		
N-nitrosodimethylamine	μg/kg			<410 U		<400 U		
N-nitrosodiphenylamine	μg/kg			<410 U		<400 U		
N-nitrosomethylethylamine	μg/kg			<410 U		<400 U		
N-nitrosomorpholine	μg/kg			<410 U		<400 U		
N-nitrosopiperidine	μg/kg			<410 U		<400 U		
Naphthalene	μg/kg			<410 U		<400 U		
Naphthoquinone, 1,4-	μg/kg			≤410 U		<400 U		
Naphthylamine,alpha-	μg/kg			<410 U		<400 U		
Naphthylamine,beta-	μg/kg			<410 U		<400 U		
Nitro-o-toluidine,5-	μg/kg			<410 U		<400 U		
Nitroaniline,2-	μg/kg			<1000 U		<1000 U		
Nitroaniline,3-	μg/kg			<1000 U		<1000 U		
Nitroaniline,4-	μg/kg			<1000 U		<1000 U		
Nitrobenzene	μg/kg			<410 U		<400 U		
Nitrophenol,2-	μg/kg			<410 U		<400 U		
Nitrophenol,4-	μg/kg			<1000 U		<1000 U		_
Nitroquinoline-1-oxide,4-	μg/kg			<410 U		<400 U		
Nitrosopyrrolidine,n-	μg/kg			<410 U		<400 U		
Pentachlorophenol	μg/kg			<1000 U		<1000 U		
Phenacetin	μg/kg			<410 U		<400 U		
Phenanthrene	μg/kg			<410 U		<400 U		
Phenol	μg/kg			<410 U		<400 U		



Page 133 of 248

								Page 133 of
	Location ID	SK-SB-208						
	Sample ID	1639667	1639668	1639668	1639669	1639669	1639670	1639671
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:00	13:05	13:05	13:05	13:05	13:15	13:20
	Sample Depth	8' - 10'	10' - 12'	10' - 12'	10' - 12'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA	LEA	QUAN	LEA	QUAN	LEA	LEA
	Lab. Number	35-7454-1014	35-7458-1018	A7H070159006	35-7457-1017	A7H070159007	35-7459-1019	35-7460-1020
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg			<410 U J		<400 U J		
Picoline,2-	μ <i>g/</i> kg			<410 U		<400 U		
Pronamide	μg/kg			<410 U		<400 U		
Propane),2,2'-oxybis(1-chloro-	μg/kg			<410 U		<400 U		
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg			<410 U		<400 U		
Pyridine	μg/kg			<410 U		<400 U		
Safrole	μg/kg			<410 U		<400 U		
Tetrachlorobenzene, 1, 2, 4, 5-	μg/kg			<410 U		<400 U		
Tetrachlorophenol,2,3,4,6-	μg/kg			<410 U		<400 U		
Toluidine,o-	μg/kg			<410 U		<400 U		
Trichlorobenzene,1,2,4-	μg/kg			<410 U		<400 U		
Trichlorophenol,2,4,5-	μg/kg			<410 U		<400 U		
Trichlorophenol,2,4,6-	μg/kg	<u></u>		<410 U		<400 U		
Triethyl Phosphorothioate,o,o,o-	μg/kg			<410 U		<400 U		
Acetone	μg/kg			<120 U		<120 U		
Acrolein	μg/kg			<62 U		<61 U		
Acrylonitrile	μg/kg			<62 U		<61 U		
Allyl Chloride	μg/kg			<120 U		<120 U		
Benzene	μg/kg			<6.2 U		<6.1 U		
Benzene (screening)	μg/kg	<8	<8		<8		<8 nc	<7
Bromobenzene	μg/kg							
Bromoform	μg/kg			<6.2 U		<6.1 U		
Carbon Disulfide	μ <i>g</i> /kg			<6.2 U		<6.1 U		
Carbon Tetrachloride	μg/kg			<6.2 U		<6.1 U		
Chlorobenzene	μg/kg			<6.2 U		<6.1 U		
Chlorodibromomethane	μg/kg			<6.2 U		<6.1 U		
Chloroethane	μg/kg			<12 U		<12 U		



								Page 134 of 24
	Location ID	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208
	Sample ID	1639667	1639668	1639668	1639669	1639669	1639670	1639671
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:00	13:05	13:05	13:05	13:05	13:15	13:20
	Sample Depth	8' - 10'	10' - 12'	10' - 12'	10' - 12'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA	LEA	QUAN	LEA	QUAN	LEA	LEA
	Lab. Number	35-7454-1014	35-7458-1018	A7H070159006	35-7457-1017	A7H070159007	35-7459-1019	35-7460-1020
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg	-		<6.2 U		<6.1 U		
Chloroprene, beta-	μg/kg			<6.2 U		<6.1 U		
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg			<6.2 U		<6.1 U		
Dichlorobenzene, 1,2-	μg/kg			<410 U		<400 U		
Dichlorobenzene, 1,3-	μg/kg			<410 U		<400 U		
Dichlorobenzene, 1,4-	μg/kg			<410 U		<400 U		
Dichlorobromomethane	μg/kg			<6.2 U		<6.1 U		
Dichlorodifluoromethane	μg/kg			<6.2 U		<6.1 U		
Dichloroethane,1,1-	μg/kg			<6.2 U		<6.1 U	·	
Dichloroethane,1,2-	μg/kg			<6.2 U		<6.1 U		
Dichloroethylene,1,1-	μg/kg			<6.2 U		<6.1 U		
Dichloroethylene, 1,2-cis-	μg/kg			<6.2 U		<6.1 U		
Dichloroethylene,1,2-trans-	μg/kg			<6.2 U		<6.1 U		
Dichloropropane, 1,2-	μg/kg			<6.2 U		<6.1 U		
Dichloropropylene,1,3-	μg/kg			<6.2 U		<6.1 U		
Dichloropropylene, 1,3-cis-	μg/kg							
Dichloropropylene, 1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg			<6.2 U		<6.1 U		
Ethylbenzene	μg/kg			<6.2 U		<6.1 U		
Ethylbenzene (screening)	μg/kg	<11	<11		<17		<12 nc	<11
Ethylene Dibromide	μg/kg			<6.2 U		<6.1 U		
Hexanone,2-	μg/kg			<62 U J		<61 U J		
Iodomethane	μg/kg			<6.2 U		<6.1 U		
Methacrylonitrile	μg/kg			<6.2 U		<6.1 U		
Methyl Bromide	μg/kg			<12 U		<12 U		



Page 135 of 248

								Page 135 of 2
	Location ID	SK-SB-208						
	Sample ID	1639667	1639668	1639668	1639669	1639669	1639670	1639671
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:00	13:05	13:05	13:05	13:05	13:15	13:20
	Sample Depth	8' - 10'	10' - 12'	10' - 12'	10' - 12'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA	LEA	QUAN	LEA	QUAN	LEA	LEA
	Lab. Number	35-7454-1014	35-7458-1018	A7H070159006	35-7457-1017	A7H070159007	35-7459-1019	35-7460-1020
Constituent	Units							
Methyl Chloride	μg/kg			<12 U		<12 U		
Methyl Ethyl Ketone	μg/kg			<120 U		<120 U		
Methyl Methacrylate	μg/kg			<6.2 U		<6.1 U		
Methyl-2-pentanone,4-	μ <b>у</b> /kg			<12 U		<12 U		
Methyl-tert-butyl Ether	μg/kg			<6.2 U		<6.1 U		
Methylene Chloride	μg/kg			<6.2 U		<6.1 U		
Pentachlorobenzene	μg/kg			<410 U		<400 U		
Pentachloroethane	μg/kg			<410 U		<400 U		
Pentachloronitrobenzene	μg/kg			<410 U		<400 U		
Propionitrile	μg/kg			<25 U		<25 U		
Styrene	μg/kg			<6.2 U		<6.1 U		
Tetrachloroethane, 1, 1, 1, 2-	μg/kg			<6.2 U		<6.1 U		
Tetrachloroethane, 1, 1, 2, 2-	μg/kg			<6.2 U		<6.1 U		
Tetrachloroethylene	μg/kg			<6.2 U		<6.1 U		
Tetrachloroethylene (screening)	μg/kg	<12	<12		<22		<12 nc	<11
Toluene	μg/kg			<6.2 U		<6.1 U		
Toluene (screening)	μg/kg	<11	<11		<12		<12 nc	<10
Trichloroethane, 1, 1, 1-	μg/kg			<6.2 U		<6.1 U		
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<191	<191		<215		<199 nc	<181
Trichloroethane, 1, 1, 2-	μg/kg			<6.2 U		<6.1 U		
Trichloroethylene	μg/kg			<6.2 U		<6.1 U		
Trichloroethylene (screening)	μg/kg	<19	<19		<21		<19 nc	<18
Trichloromonofluoromethane	μg/kg			<6.2 U		<6.1 U		
Trichloropropane, 1, 2, 3-	μg/kg	10.00		<6.2 U		<6.1 U		
Vinyl Acetate	μg/kg			<6.2 U		<6.1 U		
Vinyl Chloride	μg/kg			<12 U		<12 U		
Xylene,o- (screening)	μg/kg	<16	<16	, ,	<23		<16 nc	<15
Xylenes (Total)	μg/kg			<6.2 U		<6.1 U		



Page 136 of 248

								Page 136 of 2
	Location ID	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208	SK-SB-208
	Sample ID	1639667	1639668	1639668	1639669	1639669	1639670	1639671
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:00	13:05	13:05	13:05	13:05	13:15	13:20
	Sample Depth	8' - 10'	10' - 12'	10' - 12'	10' - 12'	10' - 12'	12' - 14'	14' - 16'
	Laboratory	LEA	LEA	QUAN	LEA	QUAN	LEA	LEA
	Lab. Number	35-7454-1014	35-7458-1018	A7H070159006	35-7457-1017	A7H070159007	35-7459-1019	35-7460-1020
Constituent	Units							
(ylenes,m- & p- (screening)	μg/kg	<8	<8		<11		<8 nc	<8
				1				-
-								
								_
The state of the s		1		_	1			
							1	
				_			-	
							<u> </u>	
						_		<del></del>
			-	<del>   </del>				
			<del>                                     </del>		<del> </del>			
					<u> </u>			
		-						
							<u> </u>	
		<u> </u>			<del> </del>			_
			· · · · · · · · · · · · · · · · · · ·					
		-						
				<b></b>	<b></b>			
		1		1	1			



Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL

### P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 137 of 248

DRAFT

								Page 137 of 24
	Location ID	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209
	Sample ID	1639672	1639672	1639673	1639673	1639674	1639675	1639675
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:30	13:30	13:35	13:35	13:40	13:45	13:45
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	QUAN	LEA	QUAN	LEA	LEA	QUAN
	Lab. Number	25-1766-066	A7H070159010	25-1768-068	A7H070159011	25-1769-069	25-1770-070	A7H070159013
Constituent	Units							
Date Metals Analyzed	•							
Date Organics Analyzed	-	07/31/1997	08/12/1997	07/31/1997		07/31/1997	07/31/1997	08/11/1997
Date Physical Analysed	•		08/13/1997		08/13/1997			08/13/1997
Date Semi-volatile Organics Analyzed	-		08/22/1997		08/18/1997			08/17/1997
Dinoseb	μg/kg		<340 U		<390 U			<400 U
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg			<u> </u>				
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg		<340 U		<390 U			<400 U
Aramite	μg/kg		<340 U		<390 U			<400 U
Dibromo-3-chloropropane,1,2-	μg/kg		<5.2 U					<6.1 U
Dimethoate	μg/kg		<340 U		<390 U			<400 U
Disulfoton	μg/kg		<340 U		<390 U			<400 U
Famphur	μg/kg		<340 U J		<390 U J			<400 U J
Phorate	μg/kg		<340 U		<390 U			<400 U
Total Petroleum Hydrocarbons	mg/kg		2100		<59 U			<61 U
Acenaphthene	μg/kg		<340 U		<390 U			<400 U
Acenaphthylene	μg/kg		<340 U		<390 U			<400 U
Acetophenone	μg/kg	1	<340 U		<390 U			<400 U
Aminobiphenyl,4-	μg/kg		<340 U		<390 U			<400 U
Aniline	μg/kg		<340 U		<390 U			<400 U

## Table 3 DRAFT SUMMARY OF ANALYTICAL RESULTS - SOIL

### P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 138 of 248

								Page 138 of A
	Location ID	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209
-	Sample ID	1639672	1639672	1639673	1639673	1639674	1639675	1639675
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:30	13:30	13:35	13:35	13:40	13:45	13:45
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	QUAN	LEA	QUAN	LEA	LEA	QUAN
	Lab. Number	25-1766-066	A7H070159010	25-1768-068	A7H070159011	25-1769-069	25-1770-070	A7H070159013
Constituent	Units							
Anthracene	μg/kg		<340 U		<390 U			<400 U
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg		<340 U		<390 U			<400 U
Benzo[a]pyrene	μg/kg		<340 U		<390 U			<400 U
Benzo[b]fluoranthene	μg/kg		<340 U		<390 U			<400 U
Benzo[ghi]perylene	μg/kg		<340 U		<390 U			<400 U
Benzo[k]fluoranthene	μg/kg		<340 U		<390 U			<400 U
Benzyl Alcohol	μg/kg		<700 U		<790 U			<820 U
Bis(2-chloroethoxy)methane	μg/kg		<340 U		<390 U			<400 U
Bis(2-chloroethyl) Ether	μg/kg		<340 U		<390 U			<400 U
Bis(2-ethylhexyl)phthalate	μg/kg		<340 U		<390 U			<400 U
Bromophenyl Phenyl Ether,4-	μg/kg		<340 U		<390 U			<400 U
Butyl Benzyl Phthalate	μg/kg		<340 U		<390 U			<400 U
Carbazole	μg/kg		<340 U		<390 U			<400 U
Chloro-m-cresol,p-	μg/kg		<700 U		<790 U			<820 U
Chloroaniline,4-	μg/kg		<340 U		<390 U			<400 U
Chloronaphthalene,2-	μg/kg		<340 U		<390 U			<400 U
Chlorophenol,2-	μg/kg		<340 U		<390 U			<400 U
Chlorophenyl Phenyl Ether,4-	μg/kg		<340 U		<390 U			<400 U
Chrysene	μg/kg		<340 U		<390 U			<400 U
Cresol,2-	μg/kg		<340 U		<390 U			<400 U
Cresol,3-	μg/kg		<340 U		<390 U			<400 U
Cresol,4-	μg/kg		<340 U		<390 U			<400 U
Di-n-butyl Phthalate	μg/kg		<340 U		<390 U			<400 U
Di-n-octyl Phthalate	μg/kg		<340 U		<390 U			<400 U
Dibenzo[a,h]anthracene	μg/kg	1	<340 U		<390 U			<400 U
Dibenzofuran	μg/kg		<340 U		<390 U			<400 U
Dichloro-2-butylene, 1,4-trans-	μg/kg		<5.2 U					<6.1 U



Page 139 of 248

								Page 139 of 2
	Location ID	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209
	Sample ID	1639672	1639672	1639673	1639673	1639674	1639675	1639675
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:30	13:30	13:35	13:35	13:40	13:45	13:45
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	QUAN	LEA	QUAN	LEA	LEA	QUAN
	Lab. Number	25-1766-066	A7H070159010	25-1768-068	A7H070159011	25-1769-069	25-1770-070	A7H070159013
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg		<700 U		<790 U			<820 U
Dichlorophenol,2,4-	μg/kg		<340 U		<390 U			<400 U
Diethyl Phthalate	μg/kg		<340 U		<390 U J			<400 U
Dimethyl Phthalate	μg/kg		<340 U		<390 U			<400 U
Dimethylaminoazobenzene,4-	μg/kg		<340 U		<390 U			<400 U
Dimethylbenzidine,3,3'-	μg/kg		<340 U		<390 U			<400 U
Dimethylbenzo[a]anthracene,7,12-	μg/kg		<340 U		<390 U			<400 U
Dimethylphenethylamine,alpha,alpha-	μg/kg		<340 U		<390 U J			<400 U J
Dimethylphenol,2,4-	μg/kg		<340 U		<390 U			<400 U
Dinitro-o-cresol,4,6-	μg/kg		<860 U		<980 U			<1000 U
Dinitrobenzene,1,3-	μg/kg		<340 U		<390 U			<400 U
Dinitrophenol,2,4-	μg/kg		<860 U		<980 U			<1000 U
Dinitrotoluene,2,4-	μg/kg		<340 U		<390 U			<400 U
Dinitrotoluene,2,6-	μg/kg		<340 U		<390 U			<400 U
Diphenylamine	μg/kg		<340 U		<390 U	<u> </u>		<400 U
Diphenylhydrazine, 1,2-	μg/kg							
Ethyl Methanesulfonate	μg/kg		<340 U		<390 U			<400 U
Fluoranthene	μg/kg		<340 U		<390 U			<400 U
Fluorene	μg/kg		<340 U		<390 U			<400 U
Hexachlorobenzene	μg/kg		<340 U		<390 U			<400 U
Hexachlorobutadiene	μg/kg		<340 U		<390 U			<400 U
Hexachlorocyclopentadiene	μg/kg		<340 U		<390 U			<400 U
Hexachloroethane	μg/kg		<340 U		<390 U			<400 U
Hexachloropropylene	μg/kg		<340 U		<390 U			<400 U
Indeno(1,2,3-cd)pyrene	μg/kg		<340 U		<390 U			<400 U
Isophorone	μg/kg		<340 U		<390 U			<400 U
Isosafrole	μg/kg		<340 U	,	<390 U			<400 U
Methapyrilene	μg/kg	T	<340 U		<390 U			<400 U

Page 140 of 248

								Page 140 of
	Location ID	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209
	Sample ID	1639672	1639672	1639673	1639673	1639674	1639675	1639675
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:30	13:30	13:35	13:35	13:40	13:45	13:45
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	QUAN	LEA	QUAN	LEA	LEA	QUAN
	Lab. Number	25-1766-066	A7H070159010	25-1768-068	A7H070159011	25-1769-069	25-1770-070	A7H070159013
Constituent	Units							
Methyl Methanesulfonate	μg/kg		<340 U		<390 U			<400 U
Methylcholanthrene,3-	μg/kg		<680 U		<780 U J	1		<810 U
Methylnaphthalene,2-	μg/kg		<340 U		<390 U	1		<400 U
N-nitroso-di-n-butylamine	μg/kg		<340 U		<390 U			<400 U
N-nitroso-n-propylamine	μg/kg		<340 U		<390 U			<400 U
N-nitrosodiethylamine	μg/kg		<340 U		<390 U			<400 U
N-nitrosodimethylamine	μg/kg		<340 U		<390 U			<400 U
N-nitrosodiphenylamine	μg/kg		<340 U		<390 U			<400 U
N-nitrosomethylethylamine	μg/kg		<340 U		<390 U			<400 U
N-nitrosomorpholine	μg/kg		<340 U		<390 U			<400 U
N-nitrosopiperidine	μg/kg		<340 U		<390 U			<400 U
Naphthalene	μg/kg		<340 U		<390 U			<400 U
Naphthoquinone, 1,4-	μg/kg		<340 U		<390 U			<400 U
Naphthylamine,alpha-	μg/kg		<340 U		<390 U			<400 U
Naphthylamine, beta-	μg/kg		<340 U		<390 U			<400 U
Nitro-o-toluidine,5-	μg/kg		<340 U		<390 U			<400 U
Nitroaniline,2-	μg/kg		<860 U		<980 U			<1000 U
Nitroaniline,3-	μg/kg		<860 U		<980 U			<1000 U
Nitroaniline,4-	μg/kg		<860 U J		<980 U			<1000 U
Nitrobenzene	μg/kg		<340 U		<390 U			<400 U
Nitrophenol,2-	μg/kg		<340 U		<390 U			<400 U
Nitrophenol,4-	μg/kg		<860 U J		<980 U			<1000 U
Nitroquinoline-1-oxide,4-	μg/kg		<340 U J		<390 U			<400 U
Nitrosopyrrolidine,n-	μg/kg		<340 U		<390 U			<400 U
Pentachlorophenol	μg/kg		<860 U		<980 U			<1000 U
Phenacetin	μg/kg		<340 U		<390 U			<400 U
Phenanthrene	μg/kg		<340 U		<390 U			<400 U
Phenol	μg/kg		<340 U		<390 U			<400 U

Notes: 1. Printed on 07/16/98

LΕΔ

**DRAFT** 

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Table 3

								Page 141 of 248
	Location ID	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209
	Sample ID	1639672	1639672	1639673	1639673	1639674	1639675	1639675
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:30	13:30	13:35	13:35	13:40	13:45	13:45
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	QUAN	LEA	QUAN	LEA	LEA	QUAN
	Lab. Number	25-1766-066	A7H070159010	25-1768-068	A7H070159011	25-1769-069	25-1770-070	A7H070159013
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg		<340 U J		<390 U J			<400 U J
Picoline,2-	μg/kg		<340 U		<390 U			<400 U
Pronamide	μg/kg		<340 U		<390 U			<400 U
Propane),2,2'-oxybis(1 chloro	μg/kg		<340 U		<390 U			<400 U
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg		<340 U		<390 U			<400 U
Pyridine	μg/kg		<340 U		<390 U			<400 U
Safrole	μg/kg		<340 U		<390 U			<400 U
Tetrachlorobenzene,1,2,4,5-	μg/kg		<340 U		<390 U	<u> </u>		<400 U
Tetrachlorophenol,2,3,4,6-	μg/kg		<340 U		<390 U			<400 U
Toluidine,o-	μg/kg		<340 U		<390 U			<400 U
Trichlorobenzene, 1, 2, 4-	μg/kg		<340 U		<390 U			<400 U
Trichlorophenol,2,4,5-	μg/kg		<340 U		<390 U			<400 U
Trichlorophenol,2,4,6-	μg/kg		<340 U		<390 U			<400 U
Triethyl Phosphorothioate,o,o,o-	μg/kg	1	<340 U		<390 U			<400 U
Acetone	μg/kg		<100 U					<120 U
Acrolein	μg/kg		<52 U					<61 U
Acrylonitrile	μg/kg		<52 U					<61 U
Allyl Chloride	μg/kg		<100 U					<120 U
Benzene	μg/kg		<5.2 U					<6.1 U
Benzene (screening)	μg/kg	<8		<6		<7	<8 nc	
Bromobenzene	μg/kg							
Bromoform	μg/kg		<5.2 U					<6.1 U
Carbon Disulfide	μg/kg		<5.2 U					<6.1 U
Carbon Tetrachloride	μg/kg		<5.2 U					<6.1 U
Chlorobenzene	μg/kg		<5.2 U					<6.1 U
Chlorodibromomethane	μg/kg		<5.2 U					<6.1 U
Chloroethane	μg/kg		<10 U					<12 U

Page 142 of 248

		T	<del></del>		·			Page 142 of 2
	Location ID	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209
	Sample ID	1639672	1639672	1639673	1639673	1639674	1639675	1639675
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:30	13:30	13:35	13:35	13:40	13:45	13:45
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	QUAN	LEA	QUAN	LEA	LEA	QUAN
	Lab. Number	25-1766-066	A7H070159010	25-1768-068	A7H070159011	25-1769-069	25-1770-070	A7H070159013
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg		<5.2 U					<6.1 U
Chloroprene,beta-	μg/kg		<5.2 U					<6.1 U
Chlorotoluene,o-	μg/kg	T						
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg		<5.2 U					<6.1 U
Dichlorobenzene,1,2-	μg/kg		<340 U		<390 U			<400 U
Dichlorobenzene,1,3-	μg/kg		<340 U		<390 U			<400 U
Dichlorobenzene,1,4-	μg/kg		<340 U		<390 U			<400 U
Dichlorobromomethane	μg/kg		<5.2 U					<6.1 U
Dichlorodifluoromethane	μg/kg		<5.2 U					<6.1 U
Dichloroethane, 1, 1-	μg/kg		<5.2 U					<6.1 U
Dichloroethane, 1,2-	μg/kg		<5.2 U					<6.1 U
Dichloroethylene,1,1-	μg/kg		<5.2 U					<6.1 U
Dichloroethylene, 1, 2-cis-	μg/kg	T	<5.2 U					<6.1 U
Dichloroethylene, 1, 2-trans-	μg/kg		<5.2 U					<6.1 U
Dichtoropropane, 1,2-	μg/kg		<5.2 U	•				<6.1 U
Dichloropropylene,1,3-	μg/kg		<5.2 U					<6.1 U
Dichloropropylene,1,3-cis-	μg/kg							
Dichloropropylene,1,3-trans-	μg/kg		•					
Ethyl Methacrylate	μg/kg		<5.2 U					<6.1 U
Ethylbenzene	μg/kg		<5.2 U					<6.1 U
Ethylbenzene (screening)	μg/kg	<17		<14		<15	<18 nc	
Ethylene Dibromide	μg/kg		<5.2 U					<6.1 U
Hexanone,2-	μg/kg		<52 U J					<61 U J
Iodomethane	μg/kg		<5.2 U					<6.1 U
Methacrylonitrile	μg/kg	<u>†</u>	<5.2 U					<6.1 U
Methyl Bromide	μg/kg	<b>T</b>	<10 U					<12 U

Notes: 1. Printed on 07/16/98

LEΔ

DRAFT

## SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 143 of 248

								Page 143 of 24
	Location ID	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209
	Sample ID	1639672	1639672	1639673	1639673	1639674	1639675	1639675
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:30	13:30	13:35	13:35	13:40	13:45	13:45
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	QUAN	LEA	QUAN	LEA	LEA	QUAN
	Lab. Number	25-1766-066	A7H070159010	25-1768-068	A7H070159011	25-1769-069	25-1770-070	A7H070159013
Constituent	Units							
Methyl Chloride	μg/kg		<10 U					<12 U
Methyl Ethyl Ketone	μg/kg		<100 U					<120 U
Methyl Methacrylate	μg/kg		<5.2 U					<6.1 U
Methyl-2-pentanone,4-	μg/kg		<10 U					<12 U
Methyl-tert-butyl Ether	μg/kg		<5.2 U					<6.1 U
Methylene Chloride	μg/kg		<5.2 U					<6.1 U
Pentachlorobenzene	μg/kg		<340 U		<390 U			<400 U
Pentachloroethane	μg/kg		<340 U		<390 U			<400 U
Pentachloronitrobenzene	μg/kg		<340 U		<390 U			<400 U
Propionitrile	μg/kg		<21 U					<24 U
Styrene	μg/kg		<5.2 U					<6.1 U
Tetrachloroethane, 1, 1, 1, 2-	μg/kg		<5.2 U					<6.1 U
Tetrachloroethane, 1, 1, 2, 2-	μg/kg		<5.2 U					<6.1 U
Tetrachloroethylene	μg/kg		<5.2 U					<6.1 U
Tetrachloroethylene (screening)	μg/kg	<22		<17		<18	<22 nc	
Toluene	μg/kg		<5.2 U	<u> </u>				<6.1 U
Toluene (screening)	μg/kg	<12		<10		<10	<13 nc	
Trichloroethane,1,1,1-	μg/kg		<5.2 U					<6.1 U
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<215		<170		<182	<224 nc	
Trichloroethane, 1, 1, 2-	μg/kg		<5.2 U					<6.1 U
Trichloroethylene	μg/kg		<5.2 U					<6.1 U
Trichloroethylene (screening)	μg/kg	<21		<17		<18	<22 nc	
Trichloromonofluoromethane	μg/kg		<5.2 U					<6.1 U
Trichloropropane, 1, 2, 3-	μg/kg		<5.2 U					<6.1 U
Vinyl Acetate	μg/kg		<5.2 U					<6.1 U
Vinyl Chloride	μg/kg	T	<10 U					<12 U
Xylene,o- (screening)	μg/kg	<23		<18		<19	<24 nc	
Xylenes (Total)	μg/kg		<5.2 U					<6.1 U
otes: 1 Printed on 07/12/09								

								Page 144 of 24
	Location ID	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209
	Sample ID	1639672	1639672	1639673	1639673	1639674	1639675	1639675
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:30	13:30	13:35	13:35	13:40	13:45	13:45
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	QUAN	LEA	QUAN	LEA	LEA	QUAN
	Lab. Number	25-1766-066	A7H070159010	25-1768-068	A7H070159011	25-1769-069	25-1770-070	A7H070159013
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg	<11		<9		<10	<12 nc	
3,	10.0	T						
				<del> </del>		<del>- </del>		
		f		1				
				<del> </del>	+	<del> </del>	+	
				-				
				<del></del>				
		<del></del>		<del></del>				
		<u> </u>						
······································								
					_ ]			
		1						
		<del> </del>	<del></del>	<del></del>				····
		<del> </del>		<del></del>	<del>-  </del>	<del></del>		-
		<del> </del>		<del> </del>				
		<del> </del>		<del> </del>		-		
				-				
		<b></b>						
		<u> </u>						
· · · · · · · · · · · · · · · · · · ·								
						1		
		1		1				1

Notes: 1. Printed on 07/16/98

LEΔ

### DRAFT

## SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 145 of 248

								Page 145 of 24
	Location ID	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-210	SK-SB-210	SK-SB-210
	Sample ID	1639676	1639677	1639678	1639679	1639680	1639680	1639681
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:50	13:55	14:00	14:05	14:15	14:15	14:20
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	QUAN	LEA
	Lab. Number	25-1771-071	25-1772-072	25-1773-073	25-1774-074	25-1775-075	A7H070159018	25-1776-076
Constituent	Units							
Date Metals Analyzed	•							
Date Organics Analyzed	-	07/31/1997	07/31/1997	07/31/1997	07/31/1997	07/31/1997	08/12/1997	07/31/1997
Date Physical Analysed	-						08/13/1997	
Date Semi-volatile Organics Analyzed	-						08/21/1997	
Dinoseb	μg/kg						<350 U	
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg			-				
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg						<350 U	
Aramite	μg/kg						<350 U	
Dibromo-3-chloropropane, 1,2-	μg/kg						<5.3 U	
Dimethoate	μg/kg						<350 U	
Disulfoton	μg/kg						<350 U	
Famphur	μg/kg						<350 U J	
Phorate	μg/kg						<350 U	
Total Petroleum Hydrocarbons	mg/kg						550	
Acenaphthene	μg/kg						<350 U	
Acenaphthylene	μg/kg						<350 U	
Acetophenone	μg/kg						<350 U	
Aminobiphenyl,4-	μg/kg						<350 U	
Aniline	μg/kg						<350 U	

Page 146 of 248

							Page 146 of 248
Location ID	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-210	SK-SB-210	SK-SB-210
Sample ID	1639676	1639677	1639678	1639679	1639680	1639680	1639681
Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
Sample Time	13:50	13:55	14:00	14:05	14:15	14:15	14:20
Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'
Laboratory	LEA	LEA	LEA	LEA	LEA	QUAN	LEA
Lab. Number	25-1771-071	25-1772-072	25-1773-073	25-1774-074	25-1775-075	A7H070159018	25-1776-076
Units							
μg/kg						<350 U	
μg/kg							
μg/kg						<350 U	
μg/kg						<350 U	
μg/kg						<350 U	
μg/kg						<350 U	
μg/kg						<350 U	
μg/kg				·		<710 U J	
μg/kg				_		<350 U	
μg/kg						<350 U	
μg/kg						<350 U	
μg/kg						<350 U	
μg/kg						<350 U	
μg/kg						<350 U	
μg/kg						<710 U	
μg/kg						<350 U	
μg/kg						<350 U	
μg/kg						<350 U	
μg/kg						<350 U	
μg/kg						<350 U	
μg/kg						<350 U	
μg/kg						<350 U	
μg/kg						<350 U	
μg/kg						<350 U	
μg/kg						<350 U	
μg/kg						<350 U	
μg/kg						<350 U	
μg/kg	T					<5.3 U	
	Sample ID Sample Date Sample Time Sample Depth Laboratory Lab. Number Units µg/kg	Sample ID 1639676  Sample Date 07/30/1997  Sample Time 13:50  Sample Depth 8' - 10'  Laboratory LEA  Lab. Number 25-1771-071  Units  µg/kg	Sample ID 1639676 1639677  Sample Date 07/30/1997 07/30/1997  Sample Time 13:50 13:55  Sample Depth 8' - 10' 10' - 12'  Laboratory LEA LEA  Lab. Number 25-1771-071 25-1772-072  Units	Sample ID 1639676 1639677 1639678  Sample Date 07/30/1997 07/30/1997 07/30/1997  Sample Time 13:50 13:55 14:00  Sample Depth 8' - 10' 10' - 12' 12' - 14'  Laboratory LEA LEA LEA  Lab. Number 25-1771-071 25-1772-072 25-1773-073  Units	Sample ID 1639676 1639677 1639678 1639679  Sample Date 07/30/1997 07/30/1997 07/30/1997 07/30/1997  Sample Time 13:50 13:55 14:00 14:05  Sample Depth 8'-10' 10'-12' 12'-14' 14'-16'  Laboratory LEA LEA LEA LEA LEA LEA LEA LEA LEA LEA	Sample ID 1639676 1639677 1639678 1639679 1639680  Sample Date 07/30/1997 07/	Sample ID 1639676 1639677 1639678 1639679 1639680 1639680 1639680 Sample Date 07/30/1997

Notes: 1. Printed on 07/16/98

LEΔ

DRAFT

#### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 147 of 248

								Page 147 of
	Location ID	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-210	SK-SB-210	SK-SB-210
	Sample ID	1639676	1639677	1639678	1639679	1639680	1639680	1639681
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:50	13:55	14:00	14:05	14:15	14:15	14:20
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	QUAN	LEA
	Lab. Number	25-1771-071	25-1772-072	25-1773-073	25-1774-074	25-1775-075	A7H070159018	25-1776-076
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg						<710 U	
Dichlorophenol,2,4-	μg/kg						<350 U	
Diethyl Phthalate	μg/kg						<350 U	
Dimethyl Phthalate	μg/kg						<350 U	
Dimethylaminoazobenzene,4-	μg/kg						<350 U	
Dimethylbenzidine,3,3'-	μg/kg						<350 U	
Dimethylbenzo[a]anthracene,7,12-	μg/kg						<350 U	
Dimethylphenethylamine,alpha,alpha-	μg/kg						<350 U	
Dimethylphenol,2,4-	μg/kg						<350 U	
Dinitro-o-cresol,4,6-	μg/kg						<880 U	
Dinitrobenzene,1,3-	μg/kg						<350 U	
Dinitrophenol,2,4-	μg/kg						<880 U	
Dinitrotoluene,2,4-	μg/kg						<350 U	
Dinitrotoluene,2,6-	μg/kg						<350 U	
Diphenylamine	μg/kg						<350 U	
Diphenylhydrazine,1,2-	μg/kg							
Ethyl Methanesulfonate	μg/kg						<350 U	
Fluoranthene	μg/kg						<350 U	
Fluorene	μg/kg						<350 U	
Hexachlorobenzene	μg/kg						<350 U	
Hexachlorobutadiene	μg/kg						<350 U	
Hexachlorocyclopentadiene	μg/kg						<350 U	
Hexachloroethane	μg/kg						<350 U	
Hexachloropropylene	μg/kg						<350 U	
Indeno(1,2,3-cd)pyrene	μg/kg						<350 U	
Isophorone	μg/kg						<350 U	
Isosafrole	μg/kg						<350 U	
Methapyrilene	μg/kg						<350 U	



Page 148 of 248

								Page 148 of 2
	Location ID	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-210	SK-SB-210	SK-SB-210
	Sample ID	1639676	1639677	1639678	1639679	1639680	1639680	1639681
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:50	13:55	14:00	14:05	14:15	14:15	14:20
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	QUAN	LEA
	Lab. Number	25-1771-071	25-1772-072	25-1773-073	25-1774-074	25-1775-075	A7H070159018	25-1776-076
Constituent	Units							
Methyl Methanesulfonate	μg/kg						<350 U	
Methylcholanthrene,3-	μg/kg						<700 U	
Methylnaphthalene,2-	μg/kg					=	<350 U	
N-nitroso-di-n-butylamine	μg/kg						<350 U	
N-nitroso-n-propylamine	μg/kg						<350 U	
N-nitrosodiethylamine	μg/kg						<350 U	
N-nitrosodimethylamine	μg/kg						<350 U	
N-nitrosodiphenylamine	μg/kg						<350 U	
N-nitrosomethylethylamine	μg/kg						<350 U	
N-nitrosomorpholine	μg/kg						<350 U	
N-nitrosopiperidine	μg/kg						<350 U	
Naphthalene	μg/kg						<350 U	
Naphthoquinone, 1,4-	μg/kg						<350 U	
Naphthylamine,alpha-	μg/kg						<350 U	
Naphthylamine,beta-	μg/kg						<350 U	
Nitro-o-toluidine,5-	μg/kg						<350 U	
Nitroaniline,2-	μg/kg						<880 U	
Nitroaniline,3-	μg/kg						<880 U	Ţ
Nitroaniline,4-	μg/kg						<880 U	
Nitrobenzene	μg/kg						<350 U	
Nitrophenol,2-	μg/kg						<350 U	
Nitrophenol,4-	μg/kg						<880 U J	
Nitroquinoline-1-oxide,4-	μg/kg						<350 U	
Nitrosopyrrolidine,n-	μg/kg						<350 U	
Pentachlorophenol	μg/kg						<880 U	
Phenacetin	μg/kg						<350 U	
Phenanthrene	μg/kg						<350 U	
Phenol	μg/kg						<350 U	



Table 3 DRAFT

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 149 of 248

								Page 149 of 24
	Location ID	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-210	SK-SB-210	SK-SB-210
	Sample ID	1639676	1639677	1639678	1639679	1639680	1639680	1639681
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:50	13:55	14:00	14:05	14:15	14:15	14:20
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	QUAN	LEA
	Lab. Number	25-1771-071	25-1772-072	25-1773-073	25-1774-074	25-1775-075	A7H070159018	25-1776-076
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg						<350 U J	
Picoline,2-	μg/kg						<350 U	
Pronamide	μg/kg						<350 U	
Propane),2,2'-oxybis(1-chloro-	μg/kg						<350 U	
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg						<350 U	
Pyridine	μg/kg						<350 U	
Safrole	μg/kg						<350 U	
Tetrachlorobenzene, 1, 2, 4, 5-	μg/kg						<350 U	
Tetrachlorophenol,2,3,4,6-	μg/kg						<350 U	
Toluidine,o-	μg/kg						<350 U	
Trichlorobenzene,1,2,4-	μg/kg						<350 U	
Trichlorophenol,2,4,5-	μg/kg						<350 U	
Trichlorophenol,2,4,6-	μg/kg						<350 U	
Triethyl Phosphorothioate,0,0,0-	μg/kg	l					<350 U	
Acetone	μg/kg						<110 U	
Acrolein	μg/kg						<53 U	
Acrylonitrile	μg/kg						<53 U	
Allyl Chloride	μg/kg						<110 U	
Benzene	μg/kg						<5.3 U	
Benzene (screening)	μg/kg	<8 nc	<8	<7	<6 nc	<8 nc		<7
Bromobenzene	μg/kg							
Bromoform	μg/kg						<5.3 U	
Carbon Disulfide	μg/kg						<5.3 U	
Carbon Tetrachloride	μg/kg						<5.3 U	
Chlorobenzene	μg/kg						<5.3 U	
Chlorodibromomethane	μg/kg						<5.3 U	
Chloroethane	μg/kg						<11 U	



Page 150 of 248

								Page 150 of 243
	Location ID	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-210	SK-SB-210	SK-SB-210
	Sample ID	1639676	1639677	1639678	1639679	1639680	1639680	1639681
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:50	13:55	14:00	14:05	14:15	14:15	14:20
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	QUAN	LEA
	Lab. Number	25-1771-071	25-1772-072	25-1773-073	25-1774-074	25-1775-075	A7H070159018	25-1776-076
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg						<5.3 U	
Chloroprene, beta-	μg/kg	1					<5.3 U	
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg						<5.3 U	
Dichlorobenzene, 1,2-	μg/kg						<350 U	
Dichlorobenzene, 1,3-	μg/kg						<350 U	
Dichlorobenzene, 1,4-	μg/kg						<350 U	
Dichlorobromomethane	μg/kg						<5.3 U	
Dichlorodifluoromethane	μg/kg						<5.3 U	
Dichloroethane,1,1-	μg/kg						<5.3 U	
Dichloroethane,1,2-	μg/kg						<5.3 U	
Dichloroethylene,1,1-	μg/kg						<5.3 U	
Dichloroethylene,1,2-cis-	μg/kg						<5.3 U	
Dichloroethylene,1,2-trans-	μg/kg						<5.3 U	
Dichloropropane, 1,2-	μg/kg						<5.3 U	
Dichloropropylene,1,3-	μg/kg		•	•			<5.3 U	
Dichloropropylene, 1, 3-cis-	μg/kg							
Dichloropropylene, 1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg						<5.3 U	
Ethylbenzene	μg/kg						<5.3 U	
Ethylbenzene (screening)	μg/kg	<17 nc	<16	<15	<12 nc	<18 nc		<15
Ethylene Dibromide	μg/kg						<5.3 U	
Hexanone,2-	μg/kg						<53 U J	
Iodomethane	μg/kg						<5.3 U	
Methacrylonitrile	μg/kg						<5.3 U	
Methyl Bromide	μg/kg			1			<11 U	



								Page 151 of 24
	Location ID	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-210	SK-SB-210	SK-SB-210
	Sample ID	1639676	1639677	1639678	1639679	1639680	1639680	1639681
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
	Sample Time	13:50	13:55	14:00	14:05	14:15	14:15	14:20
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	QUAN	LEA
	Lab. Number	25-1771-071	25-1772-072	25-1773-073	25-1774-074	25-1775-075	A7H070159018	25-1776-076
Constituent	Units							
Methyl Chloride	μg/kg						<11 U	
Methyl Ethyl Ketone	μg/kg						<110 U	T
Methyl Methacrylate	μg/kg						<5.3 U	
Methyl-2-pentanone,4-	μg/kg						<11 U	
Methyl-tert-butyl Ether	μg/kg						<5.3 U	
Methylene Chloride	μg/kg						<5.3 U	
Pentachlorobenzene	μg/kg						<350 U	
Pentachloroethane	μg/kg						<350 U	
Pentachloronitrobenzene	μg/kg						<350 U	
Propionitrile	μg/kg						<21 U	
Styrene	μg/kg						<5.3 U	
Tetrachloroethane, 1, 1, 1, 2-	μg/kg						<5.3 U	
Tetrachloroethane, 1, 1, 2, 2-	μg/kg						<5.3 U	
Tetrachloroethylene	μg/kg						<5.3 U	
Tetrachloroethylene (screening)	μg/kg	<22 nc	<20	<19	<15 nc	<23 nc		<19
Toluene	μg/kg						<5.3 U	
Toluene (screening)	μg/kg	<12 nc	<11	<10	<8 nc	<13 nc		<11
Trichloroethane, 1, 1, 1-	μg/kg						<5.3 U	
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<219 nc	<203	<185	<151 nc	<229 nc		<188
Trichloroethane, 1, 1, 2-	μg/kg						<5.3 U	
Trichloroethylene	μg/kg						<5.3 U	
Trichloroethylene (screening)	μg/kg	<22 nc	<20	<18	<15 nc	<23 nc		<19
Trichloromonotluoromethane	μg/kg						<5.3 U	
Trichloropropane, 1, 2, 3-	μg/kg						<5.3 U	
Vinyl Acetate	μg/kg						<5.3 U	
Vinyl Chloride	μg/kg						<11 U	
Xylene,o- (screening)	μg/kg	<23 nc	<22	<20	<16 nc	<24 nc		<20
Xylenes (Total)	μg/kg						<5.3 U	

Page 152 of 248

							Page 152 of 24
Location ID	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-209	SK-SB-210	SK-SB-210	SK-SB-210
Sample ID	1639676	1639677	1639678	1639679	1639680	1639680	1639681
Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997
Sample Time	13:50	13:55	14:00	14:05	14:15	14:15	14:20
Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'
Laboratory	LEA	LEA	LEA	LEA	LEA	QUAN	LEA
Lab. Number	25-1771-071	25-1772-072	25-1773-073	25-1774-074	25-1775-075	A7H070159018	25-1776-076
Units							
μg/kg	<12 nc	<11	<10	<8 nc	<12 nc		<10
		*					
			<del></del>				
	<del></del>		_				
	1		<del></del>				<del>                                     </del>
							<del></del>
	<del> </del>						
	<del> </del>	<del> </del>		<del></del>			<del> </del>
		+					
							<del>-</del>
	<del> </del>						•
	<u> </u>	+					<del> </del>
							<u> </u>
	<b> </b>	<del></del>			<del></del>		<u> </u>
	<del></del>						
	<u> </u>						
	<u> </u>	<del> </del>					-
		<u> </u>	<u> </u>				<u> </u>
		<b></b>					
•	-	)	* 1	1	1	1	i .
	Sample ID Sample Date Sample Time Sample Depth Laboratory Lab. Number	Sample ID   1639676     Sample Date   07/30/1997     Sample Time   13:50     Sample Depth   8' - 10'     Laboratory   LEA     Lab. Number   25-1771-071     Units	Sample ID       1639676       1639677         Sample Date       07/30/1997       07/30/1997         Sample Time       13:50       13:55         Sample Depth       8' - 10'       10' - 12'         Laboratory       LEA       LEA         Lab. Number       25-1771-071       25-1772-072         Units       Units	Sample ID       1639676       1639677       1639678         Sample Date       07/30/1997       07/30/1997       07/30/1997         Sample Time       13:50       13:55       14:00         Sample Depth       8' - 10'       10' - 12'       12' - 14'         Laboratory       LEA       LEA       LEA         Lab. Number       25-1771-071       25-1772-072       25-1773-073         Units	Sample ID       1639676       1639677       1639678       1639679         Sample Date       07/30/1997       07/30/1997       07/30/1997       07/30/1997         Sample Time       13:50       13:55       14:00       14:05         Sample Depth       8' - 10'       10' - 12'       12' - 14'       14' - 16'         Laboratory       LEA       LEA       LEA       LEA         Lab. Number       25-1771-071       25-1772-072       25-1773-073       25-1774-074         Units       Units	Sample ID   1639676   1639677   1639678   1639679   1639680	Sample ID   1639676   1639677   1639678   1639679   1639680   1639680   1639680   Sample Date   07/30/1997



**DRAFT** 

#### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Dags 153 of 248

								Page 153 of 248
	Location ID	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-211
	Sample ID	1639681	1639682	1639683	1639683	1639684	1639687	1639698
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	08/01/1997
	Sample Time	14:20	14:25	14:30	14:30	14:35	14:50	12:10
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	14' - 16'	0' - 2'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	LEA
	Lab. Number	A7H070159019	25-1777-077	25-1778-078	A7H070159021	25-1779-079	25-1782-082	35-7505-1065
Constituent	Units							
Date Metals Analyzed								
Date Organics Analyzed	•		07/31/1997	07/31/1997	08/12/1997	07/31/1997	07/31/1997	08/04/1997
Date Physical Analysed	-	08/13/1997			08/13/1997			
Date Semi-volatile Organics Analyzed	-	08/21/1997			08/18/1997			
Dinoseb	μg/kg	<360 U			<390 U			
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg					-		
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg	<360 U			<390 U			
Aramite	μg/kg	<360 U			<390 U			
Dibromo-3-chloropropane,1,2-	μg/kg				<5.9 U			
Dimethoate	μg/kg	<360 U			<390 U			
Disulfoton	μg/kg	<360 U			<390 U			
Famphur	μg/kg	⊲60 U J			<390 U J			
Phorate	μg/kg	<360 U			<390 U			
Total Petroleum Hydrocarbons	mg/kg	<54 U			<59 U			
Acenaphthene	μg/kg	⊲60 U			<390 U			
Acenaphthylene	μg/kg	⊲360 U			<390 U			
Acetophenone	μg/kg	<360 U			<390 U			
Aminobiphenyl,4-	μg/kg	⊲360 U			<390 U			
Aniline	μg/kg	<360 U			<390 U			

Page 154 of 248

								Page 154 of
	Location ID	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-211
	Sample ID	1639681	1639682	1639683	1639683	1639684	1639687	1639698
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	08/01/1997
	Sample Time	14:20	14:25	14:30	14:30	14:35	14:50	12:10
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	14' - 16'	0' - 2'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	LEA
	Lab. Number	A7H070159019	25-1777-077	25-1778-078	A7H070159021	25-1779-079	25-1782-082	35-7505-1065
Constituent	Units							
Anthracene	μg/kg	<360 U			<390 U			
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg	<360 U			<390 U			
Benzo[a]pyrene	μg/kg	<360 U			<390 U			
Benzo[b]fluoranthene	μg/kg	<360 U			<390 U			
Benzo[ghi]perylene	μg/kg	<360 U			<390 U			
Benzo[k]fluoranthene	μg/kg	<360 U			<390 U			
Benzyl Alcohol	μg/kg	<730 U J			<790 U			
Bis(2-chloroethoxy)methane	μg/kg	<360 U			<390 U			
Bis(2-chloroethyl) Ether	μg/kg	<360 U			<390 U			
Bis(2-ethylhexyl)phthalate	μg/kg	<360 U			<390 U			
Bromophenyl Phenyl Ether,4-	μg/kg	<360 U			<390 U			
Butyl Benzyl Phthalate	μg/kg	<360 U			<390 U			
Carbazole	μg/kg	<360 U			<390 U			
Chloro-m-cresol,p-	μg/kg	<730 U			<790 U			
Chloroaniline,4-	μg/kg	<360 U			<390 U			
Chloronaphthalene,2-	μg/kg	<360 U			<390 U			
Chlorophenol,2-	μg/kg	<360 U			<390 U			
Chlorophenyl Phenyl Ether,4-	μg/kg	<360 U			<390 U			
Chrysene	μg/kg	<360 U			<390 U			
Cresol,2-	μg/kg	<360 U			<390 U			
Cresol,3-	μg/kg	<360 U			<390 U			
Cresol,4-	μg/kg	<360 U			<390 U			
Di-n-butyl Phthalate	μg/kg	<360 U			<390 U			
Di-n-octyl Phthalate	μg/kg	<360 U			<390 U			
Dibenzo[a,h]anthracene	μg/kg	<360 U			<390 U			
Dibenzofuran	μg/kg	<360 U			<390 U			
Dichloro-2-butylene, 1,4-trans-	μg/kg				<5.9 U			

Notes: 1. Printed on 07/16/98

LEA

Page 155 of 248

								Page 155 of 2
	Location ID	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-211
	Sample ID	1639681	1639682	1639683	1639683	1639684	1639687	1639698
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	08/01/1997
	Sample Time	14:20	14:25	14:30	14:30	14:35	14:50	12:10
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	14' - 16'	0' - 2'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	LEA
	Lab. Number	A7H070159019	25-1777-077	25-1778-078	A7H070159021	25-1779-079	25-1782-082	35-7505-1065
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg	<730 U			<790 U			
Dichlorophenol,2,4-	μg/kg	⊲360 U			<390 U			
Diethyl Phthalate	μg/kg	<360 U			<390 U J			
Dimethyl Phthalate	μg/kg	<360 U			<390 U			
Dimethylaminoazobenzene,4-	μg/kg	<360 U			<390 U			
Dimethylbenzidine,3,3'-	μg/kg	<360 U			<390 U			
Dimethylbenzo[a]anthracene,7,12-	μg/kg	<360 U			<390 U			
Dimethylphenethylamine,alpha,alpha-	μg/kg	<360 U			<390 U J			
Dimethylphenol,2,4-	μg/kg	<360 U			<390 U			
Dinitro-o-cresol,4,6-	μg/kg	<900 U			<980 U			
Dinitrobenzene, 1,3-	μg/kg	⊲360 U			<390 U			
Dinitrophenol,2,4-	μg/kg	<900 U			<980 U			
Dinitrotoluene,2,4-	μg/kg	<360 U			<390 U			
Dinitrotoluene,2,6-	μg/kg	<360 U			<390 U			
Diphenylamine	μg/kg	<360 U			<390 U			
Diphenylhydrazine,1,2-	μg/kg							
Ethyl Methanesulfonate	μg/kg	<360 U			<390 U			
Fluoranthene	μg/kg	<360 U			<390 U			
Fluorene	μg/kg	<360 U			<390 U			
Hexachlorobenzene	μg/kg	<360 U			<390 U			
Hexachlorobutadiene	μg/kg	<360 U			<390 U			
Hexachlorocyclopentadiene	μg/kg	<360 U			<390 U			
Hexachloroethane	μg/kg	<360 U			<390 U			
Hexachloropropylene	μg/kg	<360 U			<390 U			
Indeno(1,2,3-cd)pyrene	µg/kg	⊲360 U			<390 U			
Isophorone	μg/kg	⊲360 U			<390 U			
Isosafrole	μg/kg	⊲360 U			<390 U			
Methapyrilene	μg/kg	<360 U			<390 U			



Page 156 of 248

								Page 156 of 24
	Location ID	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-211
	Sample ID	1639681	1639682	1639683	1639683	1639684	1639687	1639698
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	08/01/1997
	Sample Time	14:20	14:25	14:30	14:30	14:35	14:50	12:10
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	14' - 16'	0' - 2'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	LEA
	Lab. Number	A7H070159019	25-1777-077	25-1778-078	A7H070159021	25-1779-079	25-1782-082	35-7505-1065
Constituent	Units							
Methyl Methanesulfonate	μg/kg	<360 U			<390 U			
Methylcholanthrene,3-	μg/kg	<720 U			<780 U J			
Methylnaphthalene,2-	μg/kg	<360 U			<390 U			
N-nitroso-di-n-butylamine	μg/kg	<360 U			<390 U			
N-nitroso-n-propylamine	μg/kg	<360 U			<390 U			
N-nitrosodiethylamine	μg/kg	<360 U			<390 U			
N-nitrosodimethylamine	μg/kg	<360 U			<390 U			
N-nitrosodiphenylamine	μg/kg	<360 U			<390 U			
N-nitrosomethylethylamine	μg/kg	<360 U			<390 U			
N-nitrosomorpholine	μg/kg	<360 U			<390 U			
N-nitrosopiperidine	μg/kg	<360 U			<390 U			
Naphthalene	μg/kg	<360 U			<390 U			
Naphthoquinone, 1,4-	μg/kg	<360 U			<390 U			
Naphthylamine,alpha-	μg/kg	<360 U			<390 U			
Naphthylamine,beta-	μg/kg	<360 U	•		<390 U			
Nitro-o-toluidine,5-	μg/kg	<360 U			<390 U			
Nitroaniline,2-	μg/kg	<900 U			<980 U			
Nitroaniline,3-	μg/kg	<900 U			<980 U			
Nitroaniline,4-	μg/kg	<900 U			<980 U			
Nitrobenzene	μg/kg	<360 U			<390 U			
Nitrophenol,2-	μg/kg	<360 U			<390 U			
Nitrophenol,4-	μg/kg	<900 U J			<980 U			
Nitroquinoline-1-oxide,4-	μg/kg	<360 U			<390 U			
Nitrosopyrrolidine,n-	μg/kg	<360 U			<390 U			
Pentachlorophenol	μg/kg	<900 U			<980 U			
Phenacetin	μg/kg	<360 U			<390 U			
Phenanthrene	μg/kg	<360 U			<390 U			
Phenol	μg/kg	<360 U			<390 U			



Table 3 DRAFT

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 157 of 248

	<del></del>		<del>,</del>					Page 157 of 2
	Location ID	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-211
	Sample ID	1639681	1639682	1639683	1639683	1639684	1639687	1639698
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	08/01/1997
	Sample Time	14:20	14:25	14:30	14:30	14:35	14:50	12:10
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	14' - 16'	0' - 2'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	LEA
	Lab, Number	A7H070159019	25-1777-077	25-1778-078	A7H070159021	25-1779-079	25-1782-082	35-7505-1065
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg	<360 U J			<390 U J			
Picoline,2-	μg/kg	<360 U			<390 U			
Pronamide	μg/kg	<360 U			<390 U			
Propane),2,2'-oxybis(1-chloro-	μg/kg	<360 U			<390 U			
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg	<360 U			<390 U			
Pyridine	μg/kg	<360 U			<390 U			
Safrole	μg/kg	<360 U			<390 U			
Tetrachlorobenzene, 1, 2, 4, 5-	μg/kg	<360 U			<390 U			
Tetrachlorophenol,2,3,4,6-	μg/kg	<360 U			<390 U			
Toluidine,o-	μg/kg	<360 U			<390 U			
Trichlorobenzene,1,2,4-	μg/kg	<360 U			<390 U			
Trichlorophenol,2,4,5-	μg/kg	<360 U		·	<390 U			
Trichlorophenol,2,4,6-	μg/kg	<360 U			<390 U			
Triethyl Phosphorothioate,0,0,0-	μg/kg	<360 U			<390 U			
Acetone	μg/kg				<120 U	_		
Acrolein	μg/kg				<59 U	1		
Acrylonitrile	μg/kg				<59 U			
Allyl Chloride	μg/kg				<120 U			
Benzene	μg/kg				<5.9 U			
Benzene (screening)	μg/kg		<7	<7		<6	<7	<8
Bromobenzene	μg/kg							
Bromoform	μg/kg				<5.9 U			
Carbon Disulfide	μg/kg				<5.9 U			
Carbon Tetrachloride	μg/kg				<5.9 U			
Chlorobenzene	μg/kg				<5.9 U			
Chlorodibromomethane	μg/kg				<5.9 U			
Chloroethane	μg/kg				<12 U			

Page 158 of 248

								Page 158 of 2
	Location ID	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-211
	Sample ID	1639681	1639682	1639683	1639683	1639684	1639687	1639698
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	08/01/1997
	Sample Time	14:20	14:25	14:30	14:30	14:35	14:50	12:10
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	14' - 16'	0' - 2'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	LEA
	Lab. Number	A7H070159019	25-1777-077	25-1778-078	A7H070159021	25-1779-079	25-1782-082	35-7505-1065
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg				<5.9 U			
Chloroprene,beta-	μg/kg				<5.9 U			
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg				<5.9 U			
Dichlorobenzene, 1,2-	μg/kg	<360 U			<390 U			
Dichlorobenzene, 1,3-	μg/kg	<360 U			<390 U			
Dichlorobenzene, 1,4-	μg/kg	<360 U			<390 U			
Dichlorobromomethane	μg/kg				<5.9 U			
Dichlorodifluoromethane	μg/kg				<5.9 U			
Dichloroethane, 1, 1-	μg/kg				<5.9 U			
Dichloroethane, 1,2-	μg/kg				<5.9 U			
Dichloroethylene,1,1-	μg/kg				<5.9 U			
Dichloroethylene, 1, 2-cis-	μg/kg				<5.9 U			
Dichloroethylene, 1, 2-trans-	μg/kg				<5.9 U			
Dichloropropane, 1,2-	μg/kg				<5.9 U			
Dichloropropylene,1,3-	μg/kg				<5.9 U			
Dichloropropylene, 1, 3-cis-	μg/kg							
Dichloropropylene,1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg				<5.9 U			
Ethylbenzene	μg/kg				<5.9 U			
Ethylbenzene (screening)	μg/kg		<16	<15		<14	<14	<11
Ethylene Dibromide	μg/kg				<5.9 U			
Hexanone,2-	μg/kg				<59 U J			
Iodomethane	μg/kg				<5.9 U			
Methacrylonitrile	μg/kg				<5.9 U			
Methyl Bromide	μg/kg				<12 U			

#### DRAFT

#### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 150 of 248

								Page 159 of 24
	Location ID	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-211
	Sample ID	1639681	1639682	1639683	1639683	1639684	1639687	1639698
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	08/01/1997
	Sample Time	14:20	14:25	14:30	14:30	14:35	14:50	12:10
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	14' - 16'	0' - 2'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	LEA
	Lab. Number	A7H070159019	25-1777-077	25-1778-078	A7H070159021	25-1779-079	25-1782-082	35-7505-1065
Constituent	Units							
Methyl Chloride	μg/kg				<12 U			
Methyl Ethyl Ketone	μg/kg				<120 U			
Methyl Methacrylate	μg/kg				<5.9 U			
Methyl-2-pentanone,4-	μg/kg				<12 U			
Methyl-tert-butyl Ether	μg/kg				<5.9 U			
Methylene Chloride	μg/kg				<5.9 U			
Pentachlorobenzene	μg/kg	<360 U			<390 U			
Pentachloroethane	μg/kg	<360 U			<390 U			
Pentachloronitrobenzene	μg/kg	<360 U			<390 U			
Propionitrile	μg/kg				<24 U			
Styrene	μg/kg				<5.9 U			
Tetrachloroethane, 1, 1, 1, 2-	μg/kg				<5.9 U			
Tetrachloroethane, 1, 1, 2, 2-	μg/kg				<5.9 U			
Tetrachloroethylene	μg/kg				<5.9 U			
Tetrachloroethylene (screening)	μg/kg		<20	<19		<17	<18	<12
Toluene	μg/kg				<5.9 U			
Toluene (screening)	μg/kg		<11	<10		<10	<10	<11
Trichloroethane,1,1,1-	μg/kg				<5.9 U			
Trichloroethane, 1, 1, 1- (screening)	μg/kg		<195	<185		<173	<179	<191
Trichloroethane, 1, 1, 2-	μg/kg				<5.9 U			
Trichloroethylene	μg/kg				<5.9 U			
Trichloroethylene (screening)	μg/kg		<19	<18		<17	<18	<19
Trichloromonofluoromethane	μg/kg				<5.9 U			
Trichloropropane,1,2,3-	μg/kg				<5.9 U			
Vinyl Acetate	μg/kg				<5.9 U			
Vinyl Chloride	μg/kg				<12 U			
Xylene,o- (screening)	μg/kg		<21	<20		<18	<19	<16
Xylenes (Total)	μg/kg			•	<5.9 U			



Page 160 of 248

								Page 160 of 2
	Location ID	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-210	SK-SB-211
	Sample ID	1639681	1639682	1639683	1639683	1639684	1639687	1639698
	Sample Date	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	07/30/1997	08/01/1997
	Sample Time	14:20	14:25	14:30	14:30	14:35	14:50	12:10
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	14' - 16'	0' - 2'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	LEA
	Lab. Number	A7H070159019	25-1777-077	25-1778-078	A7H070159021	25-1779-079	25-1782-082	35-7505-1065
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg		<10	<10		<9	<9	<8
		· · · · · · · · · · · · · · · · · · ·				<u> </u>		
			<del></del>					
			+	<del> </del>	-			
<u> </u>		<del> </del>	<del> </del>			<u> </u>		
				<u> </u>				
		-						
· · · · · · · · · · · · · · · · · · ·								
			1.					
			1					
								_
	· · · · · · · · · · · · · · · · · · ·							
				1				
				<del>`</del>				
		<del> </del>	<del> </del>	<del> </del>				

#### Table 3

#### **DRAFT**

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

		_						Page 161 of 24
	Location ID	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211
	Sample ID	1639698	1639700	1639701	1639701	1639702	1639703	1639704
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	12:10	12:20	12:25	12:25	12:30	12:35	12:35
	Sample Depth	0' - 2'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	10' - 12'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	LEA
	Lab. Number	A7H070170001	35-7507-1067	35-7508-1068	A7H070170004	35-7509-1069	35-7510-1070	35-7511-1071
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-		08/04/1997	08/04/1997		08/04/1997	08/04/1997	08/04/1997
Date Physical Analysed	-	08/13/1997			08/13/1997			
Date Semi-volatile Organics Analyzed	-	08/18/1997			08/20/1997			
Dinoseb	μg/kg	<410 U			<400 U			
Arsenic	mg/kg							
Barium	mg/kg			·				
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg	<410 U			<400 U			
Aramite	μg/kg	<410 U			<400 U			
Dibromo-3-chloropropane,1,2-	μg/kg							
Dimethoate	μg/kg	<410 U			<400 U			
Disulfoton	μg/kg	<410 U			<400 U			
Famphur	μg/kg	<410 U J			<400 U J			
Phorate	μg/kg	<410 U			<400 U			
Total Petroleum Hydrocarbons	mg/kg	<63 U			<61 U			
Acenaphthene	μg/kg	<410 U			<400 U			
Acenaphthylene	μg/kg	<410 U			<400 U			
Acetophenone	μg/kg	<410 U			<400 U			
Aminobiphenyl,4-	μg/kg	<410 U			<400 U			
Aniline	μg/kg	<410 U			<400 U			



Page 162 of 248

								Page 102 01 248
	Location ID	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211
	Sample ID	1639698	1639700	1639701	1639701	1639702	1639703	1639704
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	12:10	12:20	12:25	12:25	12:30	12:35	12:35
	Sample Depth	0' - 2'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	10' - 12'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	LEA
	Lab. Number	A7H070170001	35-7507-1067	35-7508-1068	A7H070170004	35-7509-1069	35-7510-1070	35-7511-1071
Constituent	Units							
Anthracene	μg/kg	<410 U		_	<400 U			
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg	<410 U			<400 U			
Benzo[a]pyrene	μg/kg	<410 U			<400 U J			
Benzo[b]fluoranthene	μg/kg	<410 U			<400 U J			
Benzo[ghi]perylene	μg/kg	<410 U			<400 U J			
Benzo[k]fluoranthene	μg/kg	<410 U			<400 U J			
Benzyl Alcohol	μg/kg	<840 U			<820 U			
Bis(2-chloroethoxy)methane	μg/kg	<410 U			<400 U			
Bis(2-chloroethyl) Ether	μg/kg	<410 U			<400 U			
Bis(2-ethylhexyl)phthalate	μg/kg	<410 U			<400 U			
Bromophenyl Phenyl Ether,4-	μg/kg	<410 U			<400 U			
Butyl Benzyl Phthalate	μg/kg	<410 U			<400 U			
Carbazole	μg/kg	<410 U			<400 U			
Chloro-m-cresol,p-	μg/kg	<840 U			<820 U			
Chloroaniline,4-	μg/kg	<410 U			<400 U			
Chloronaphthalene,2-	μg/kg	<410 U			<400 U			
Chlorophenol,2-	μg/kg	<410 U			<400 U			
Chlorophenyl Phenyl Ether,4-	μg/kg	<410 U			<400 U			
Chrysene	μg/kg	<410 U			<400 U			
Cresol,2-	μg/kg	<410 U			<400 U			
Cresol,3-	μg/kg	<410 U			<400 U			
Cresol,4-	μg/kg	<410 U			<400 U			
Di-n-butyl Phthalate	μg/kg	<410 U			<400 U			
Di-n-octyl Phthalate	μg/kg	<410 U			<400 U J			
Dibenzo[a,h]anthracene	μg/kg	<410 U			<400 U J			
Dibenzofuran	μg/kg	<410 U			<400 U			
Dichloro-2-butylene, 1,4-trans-								
Dichloro-2-butylene, 1,4-trans-	μg/kg							

DRAFT

#### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 163 of 248

					_			Page 163 of 24
	Location ID	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211
	Sample ID	1639698	1639700	1639701	1639701	1639702	1639703	1639704
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	12:10	12:20	12:25	12:25	12:30	12:35	12:35
	Sample Depth	0' - 2'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	10' - 12'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	LEA
	Lab. Number	A7H070170001	35-7507-1067	35-7508-1068	A7H070170004	35-7509-1069	35-7510-1070	35-7511-1071
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg	<840 U			<820 U			
Dichlorophenol,2,4-	μg/kg	<410 U			<400 U			
Diethyl Phthalate	μg/kg	<410 U J			<400 U J			
Dimethyl Phthalate	μg/kg	<410 U			<400 U			
Dimethylaminoazobenzene,4-	μg/kg	<410 U			<400 U			
Dimethylbenzidine,3,3'-	μg/kg	<410 U			<400 U			
Dimethylbenzo[a]anthracene,7,12-	μg/kg	<410 U			<400 U			
Dimethylphenethylamine,alpha,alpha-	μg/kg	<410 U J			<400 U J			
Dimethylphenol,2,4-	μg/kg	<410 U			<400 U			
Dinitro-o-cresol,4,6-	μg/kg	<1000 U			<1000 U			
Dinitrobenzene,1,3-	μg/kg	<410 U			<400 U			
Dinitrophenol,2,4-	μg/kg	<1000 U			<1000 U			
Dinitrotoluene,2,4-	μg/kg	<410 U			<400 U			
Dinitrotoluene,2,6-	μg/kg	<410 U			<400 U			
Diphenylamine	μg/kg	<410 U			<400 U			
Diphenylhydrazine, 1,2-	μg/kg							
Ethyl Methanesulfonate	μg/kg	<410 U			<400 U			
Fluoranthene	μg/kg	<410 U			<400 U			
Fluorene	μg/kg	<410 U			<400 U			
Hexachlorobenzene	μg/kg	<410 U			<400 U			
Hexachlorobutadiene	μg/kg	<410 U			<400 U			
Hexachlorocyclopentadiene	μg/kg	<410 U			<400 U			
Hexachloroethane	μg/kg	<410 U			<400 U			
Hexachloropropylene	μg/kg	<410 U			<400 U			
Indeno(1,2,3-cd)pyrene	μg/kg	<410 U			<400 U J			
Isophorone	μg/kg	<410 U			<400 U			
Isosafrole	μg/kg	<410 U			<400 U			
Methapyrilene	μg/kg	<410 U	1	<del>`</del>	<400 U			



Page 164 of 248

				<u></u>				Page 164 of 248
	Location ID	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211
	Sample ID	1639698	1639700	1639701	1639701	1639702	1639703	1639704
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	12:10	12:20	12:25	12:25	12:30	12:35	12:35
	Sample Depth	0' - 2'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	10' - 12'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	LEA
	Lab. Number	A7H070170001	35-7507-1067	35-7508-1068	A7H070170004	35-7509-1069	35-7510-1070	35-7511-1071
Constituent	Units							
Methyl Methanesulfonate	μg/kg	<410 U			<400 U			
Methylcholanthrene,3-	μg/kg	<830 U			<800 U J			
Methylnaphthalene,2-	μg/kg	<410 U			<400 U			
N-nitroso-di-n-butylamine	μg/kg	<410 U			<400 U			
N-nitroso-n-propylamine	μg/kg	<410 U			<400 U			
N-nitrosodiethylamine	μg/kg	<410 U			<400 U			
N-nitrosodimethylamine	μg/kg	<410 U		<u> </u>	<400 U			
N-nitrosodiphenylamine	μg/kg	<410 U			<400 U	<u> </u>		
N-nitrosomethylethylamine	μg/kg	<410 U			<400 U J			
N-nitrosomorpholine	μg/kg	<410 U			<400 U			
N-nitrosopiperidine	μg/kg	<410 U			<400 U			
Naphthalene	μg/kg	<410 U			<400 U			
Naphthoquinone,1,4-	μg/kg	<410 U			<400 U			
Naphthylamine,alpha-	μg/kg	<410 U			<400 U			
Naphthylamine,beta-	μg/kg	<410 U			<400 U			
Nitro-o-toluidine,5-	μg/kg	<410 U			<400 U			
Nitroaniline,2-	μg/kg	<1000 U			<1000 U			
Nitroaniline,3-	μg/kg	<1000 U			<1000 U			
Nitroaniline,4-	μg/kg	<1000 U			<1000 U			
Nitrobenzene	μg/kg	<410 U			<400 U			
Nitrophenol,2-	μg/kg	<410 U			<400 U			
Nitrophenol,4-	μg/kg	<1000 U			<1000 U			
Nitroquinoline-1-oxide,4-	μg/kg	<410 U			<400 U			
Nitrosopyrrolidine,n-	μg/kg	<410 U			<400 U			
Pentachlorophenol	μg/kg	<1000 U			<1000 U			
Phenacetin	μg/kg	<410 U			<400 U			
Phenanthrene	μg/kg	<410 U			<400 U			
Phenol		<410 U			<400 U			



Page 165 of 248

								Page 165 of 248
	Location ID	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211
	Sample ID	1639698	1639700	1639701	1639701	1639702	1639703	1639704
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	12:10	12:20	12:25	12:25	12:30	12:35	12:35
	Sample Depth	0' - 2'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	10' - 12'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	LEA
	Lab. Number	A7H070170001	35-7507-1067	35-7508-1068	A7H070170004	35-7509-1069	35-7510-1070	35-7511-1071
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg	<410 U J			<400 U			
Picoline,2-	μg/kg	<410 U			<400 U			
Pronamide	μg/kg	<410 U			<400 U			
Propane),2,2'-oxybis(1-chloro-	μg/kg	<410 U			<400 U			
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg	<410 U			<400 U			
Pyridine	μg/kg	<410 U			<400 U			
Safrole	μg/kg	<410 U			<400 U			
Tetrachlorobenzene,1,2,4,5-	μg/kg	<410 U			<400 U			
Tetrachlorophenol,2,3,4,6-	μg/kg	<410 U			<400 U			
Toluidine,o-	μg/kg	<410 U			<400 U			
Trichlorobenzene, 1, 2, 4-	μg/kg	<410 U			<400 U			
Trichlorophenol,2,4,5-	μg/kg	<410 U			<400 U			
Trichlorophenol,2,4,6-	μg/kg	<410 U			<400 U			
Triethyl Phosphorothioate,o,o,o-	μg/kg	<410 U			<400 U			
Acetone	μg/kg							
Acrolein	μg/kg							
Acrylonitrile	μg/kg							·
Allyl Chloride	μg/kg							
Benzene	μg/kg							
Benzene (screening)	μg/kg		<7	<7		<7	<7	<7
Bromobenzene	μg/kg							
Bromoform	μg/kg							
Carbon Disultide	μg/kg							
Carbon Tetrachloride	μg/kg							
Chlorobenzene	μg/kg							
Chlorodibromomethane	μg/kg							
Chloroethane	μg/kg							
Natural D-100-100-100-100-100-100-100-100-100-10								

Page 166 of 248

								Page 166 of 2
	Location ID	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211
	Sample ID	1639698	1639700	1639701	1639701	1639702	1639703	1639704
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	12:10	12:20	12:25	12:25	12:30	12:35	12:35
	Sample Depth	0' - 2'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	10' - 12'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	LEA
	Lab. Number	A7H070170001	35-7507-1067	35-7508-1068	A7H070170004	35-7509-1069	35-7510-1070	35-7511-1071
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg							
Chloroprene,beta-	μg/kg							
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg							
Dichlorobenzene,1,2-	μg/kg	<410 U			<400 U			
Dichlorobenzene, 1,3-	μg/kg	<410 U			<400 U			
Dichlorobenzene, 1,4-	μg/kg	<410 U			<400 U			
Dichlorobromomethane	μg/kg							
Dichlorodifluoromethane	μg/kg							
Dichloroethane,1,1-	μg/kg							
Dichloroethane, 1,2-	μg/kg							
Dichloroethylene, 1, 1-	μg/kg							
Dichloroethylene,1,2-cis-	μg/kg							
Dichloroethylene, 1, 2-trans-	μg/kg							
Dichloropropane, 1,2-	μg/kg							
Dichloropropylene, 1,3-	μg/kg							
Dichloropropylene,1,3-cis-	μg/kg							
Dichloropropylene, 1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg							
Ethylbenzene (screening)	μg/kg		<11	<10		<11	<10	<10
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg							
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg							
Methyl Bromide	μg/kg			1				



								Page 167 of 24
	Location ID	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211	SK-SB-211
	Sample ID	1639698	1639700	1639701	1639701	1639702	1639703	1639704
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	12:10	12:20	12:25	12:25	12:30	12:35	12:35
	Sample Depth	0' - 2'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	10' - 12'
	Laboratory	QUAN	LEA	LEA	QUAN	LEA	LEA	LEA
	Lab. Number	A7H070170001	35-7507-1067	35-7508-1068	A7H070170004	35-7509-1069	35-7510-1070	35-7511-1071
Constituent	Units							
Methyl Chloride	μg/kg							
Methyl Ethyl Ketone	μg/kg							
Methyl Methacrylate	μg/kg							
Methyl-2-pentanone,4-	μg/kg							
Methyl-tert-butyl Ether	μg/kg							
Methylene Chloride	μg/kg							
Pentachlorobenzene	μg/kg	<410 U			<400 U			
Pentachloroethane	μg/kg	<410 U			<400 U			
Pentachloronitrobenzene	μg/kg	<410 U			<400 U			
Propionitrile	μg/kg							
Styrene	μg/kg							
Tetrachloroethane, 1, 1, 1, 2-	μg/kg							
Tetrachloroethane, 1, 1, 2, 2-	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg		<11	<11		<11	<11	<10
Toluene	μg/kg							
Toluene (screening)	μg/kg		<10	<10		<10	<10	<10
Trichloroethane,1,1,1-	μg/kg							
Trichloroethane, 1, 1, 1- (screening)	μg/kg		<181	<171		<181	<171	<165
Trichloroethane,1,1,2-	μg/kg							
Trichloroethylene	μg/kg							
Trichloroethylene (screening)	μg/kg		<18	<17		<18	<17	<16
Trichloromonofluoromethane	μg/kg							
Trichloropropane, 1, 2, 3-	μg/kg							
Vinyl Acetate	μg/kg							
Vinyl Chloride	μg/kg							
Xylene,o- (screening)	μg/kg		<15	<14		<15	<14	<14
Xylenes (Total)	μg/kg		T	1				

#### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL

#### DRAFT

P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 168 of 248 Location ID SK-SB-211 SK-SB-211 SK-SB-211 SK-SB-211 SK-SB-211 SK-SB-211 SK-SB-211 Sample ID 1639698 1639700 1639701 1639701 1639702 1639703 1639704 Sample Date 08/01/1997 08/01/1997 08/01/1997 08/01/1997 08/01/1997 08/01/1997 08/01/1997 12:10 Sample Time 12:20 12:25 12:25 12:35 12:30 12:35 Sample Depth 0' - 2' 4' - 6' 6' - 8' 6' - 8' 8' - 10' 10' - 12' 10' - 12' Laboratory QUAN LEA LEA QUAN LEA LEA LEA Lab. Number A7H070170001 35-7507-1067 35-7508-1068 A7H070170004 35-7509-1069 35-7510-1070 35-7511-1071 Units Constituent <8 <7 <8 <7 <7 Xylenes,m- & p- (screening) μg/kg

Notes: 1. Printed on 07/16/98

LΕΔ

DRAFT

								Page 169 of 24
	Location ID	SK-SB-211	SK-SB-211	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212
	Sample ID	1639705	1639706	1639707	1639707	1639708	1639708	1639709
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	12:40	12:45	12:55	12:55	13:00	13:00	13:05
	Sample Depth	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	QUAN	LEA	QUAN	LEA
	Lab. Number	35-7512-1072	35-7513-1073	35-7524-1084	A7H070170010	35-7525-1085	A7H070170011	35-7526-1086
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	08/04/1997	08/04/1997	08/04/1997		08/04/1997	08/13/1997	08/04/1997
Date Physical Analysed	-				08/13/1997		08/13/1997	
Date Semi-volatile Organics Analyzed	•				08/21/1997		08/20/1997	
Dinoseb	μg/kg	<u></u>			<400 U		<430 U	
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg				<400 U		<430 U	
Aramite	μg/kg				<400 U		<430 U	
Dibromo-3-chloropropane,1,2-	μg/kg						<6.5 U	
Dimethoate	μg/kg				<400 U		<430 U	
Disulfoton	μg/kg				<400 U		<430 U	
Famphur	μg/kg				<400 U J		<430 U J	
Phorate	μg/kg				<400 U		<430 U	
Total Petroleum Hydrocarbons	mg/kg				<61 U		<65 U	
Acenaphthene	μg/kg				<400 U		<430 U	
Acenaphthylene	μg/kg				<400 U		<430 U	
Acetophenone	μg/kg				<400 U		<430 U	
Aminobiphenyl,4-	μg/kg				<400 U		<430 U	
Aniline	μ <b>g/k</b> g				<400 U		<430 U	

Page 170 of 248

								Page 1/0 of 2
	Location ID	SK-SB-211	SK-SB-211	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212
	Sample ID	1639705	1639706	1639707	1639707	1639708	1639708	1639709
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	12:40	12:45	12:55	12:55	13:00	13:00	13:05
	Sample Depth	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	QUAN	LEA	QUAN	LEA
	Lab. Number	35-7512-1072	35-7513-1073	35-7524-1084	A7H070170010	35-7525-1085	A7H070170011	35-7526-1086
Constituent	Units							
Anthracene	μg/kg				<400 U		<430 U	
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg				<400 U		<430 U	
Benzo[a]pyrene	μg/kg				<400 U		<430 U	
Benzo[b]fluoranthene	μg/kg				<400 U		<430 U	
Benzo[ghi]perylene	μg/kg				<400 U		<430 U	
Benzo[k]fluoranthene	μg/kg				<400 U		<430 U	
Benzyl Alcohol	μg/kg				<820 U J		<870 U	
Bis(2-chloroethoxy)methane	μg/kg				<400 U		<430 U	
Bis(2-chloroethyl) Ether	μg/kg				<400 U		<430 U	
Bis(2-ethylhexyl)phthalate	μg/kg				<400 U		<430 U	
Bromophenyl Phenyl Ether,4-	μg/kg				<400 U		<430 U	
Butyl Benzyl Phthalate	μg/kg				<400 U		<430 U	
Carbazole	μg/kg				<400 U		<430 U	
Chloro-m-cresol,p-	μg/kg				<820 U		<870 U	
Chloroaniline,4-	μg/kg				<400 U		<430 U	
Chloronaphthalene,2-	μg/kg				<400 U		<430 U	
Chlorophenol,2-	μg/kg	1			<400 U		<430 U	
Chlorophenyl Phenyl Ether,4-	μg/kg				<400 U		<430 U	
Chrysene	μg/kg				<400 U		<430 U	
Cresol,2-	μg/kg				<400 U		<430 U	
Cresol,3-	μg/kg				<400 U		<430 U	
Cresol,4-	μg/kg				<400 U		<430 U	
Di-n-butyl Phthalate	μg/kg				<400 U		<430 U	
Di-n-octyl Phthalate	μg/kg				<400 U		<430 U	
Dibenzo[a,h]anthracene	μg/kg				<400 U		<430 U	
Dibenzofuran	μg/kg				<400 U		<430 U	
Dichloro-2-butylene, 1,4-trans-	μg/kg						<6.5 U	

Notes: 1. Printed on 07/16/98

LΕΔ

Page 171 of 248

								Page 1/1 of 24
	Location ID	SK-SB-211	SK-SB-211	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212
	Sample ID	1639705	1639706	1639707	1639707	1639708	1639708	1639709
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	12:40	12:45	12:55	12:55	13:00	13:00	13:05
	Sample Depth	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	QUAN	LEA	QUAN	LEA
	Lab. Number	35-7512-1072	35-7513-1073	35-7524-1084	A7H070170010	35-7525-1085	A7H070170011	35-7526-1086
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg				<820 U		<870 U	
Dichlorophenol,2,4-	μg/kg				<400 U		<430 U	
Diethyl Phthalate	μg/kg				<400 U J		<430 U J	
Dimethyl Phthalate	μg/kg				<400 U		<430 U	
Dimethylaminoazobenzene,4-	μg/kg				<400 U		<430 U	
Dimethylbenzidine,3,3'-	μg/kg				<400 U		<430 U	
Dimethylbenzo[a]anthracene,7,12-	μg/kg				<400 U		<430 U	
Dimethylphenethylamine,alpha,alpha-	μg/kg				<400 U		<430 U J	
Dimethylphenol,2,4-	μg/kg				<400 U		<430 U	
Dinitro-o-cresol,4,6-	μg/kg				<1000 U		<1100 U	
Dinitrobenzene,1,3-	μg/kg				<400 U		<430 U	
Dinitrophenol,2,4-	μg/kg				<1000 U		<1100 U	_
Dinitrotoluene,2,4-	μg/kg				<400 U		<430 U	
Dinitrotoluene,2,6-	μg/kg				<400 U		<430 U	
Diphenylamine	μg/kg				<400 U		<430 U	
Diphenylhydrazine,1,2-	μg/kg							
Ethyl Methanesulfonate	μg/kg				<400 U		<430 U	
Fluoranthene	μg/kg				<400 U		<430 U	
Fluorene	μg/kg				<400 U		<430 U	
Hexachlorobenzene	μg/kg				<400 U		<430 U	
Hexachlorobutadiene	μg/kg				<400 U		<430 U	
Hexachlorocyclopentadiene	μg/kg				<400 U		<430 U	
Hexachloroethane	μg/kg				<400 U		<430 U	
Hexachloropropylene	μg/kg				<400 U		<430 U	
Indeno(1,2,3-ed)pyrene	μg/kg				<400 U		<430 U	
Isophorone	μg/kg				<400 U		<430 U	
Isosafrole	μg/kg				<400 U		<430 U	
Methapyrilene	μg/kg				<400 U		<430 U	



Page 172 of 248

								Page 1/2 of 2
	Location ID	SK-SB-211	SK-SB-211	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212
	Sample ID	1639705	1639706	1639707	1639707	1639708	1639708	1639709
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	12:40	12:45	12:55	12:55	13:00	13:00	13:05
	Sample Depth	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	QUAN	LEA	QUAN	LEA
	Lab. Number	35-7512-1072	35-7513-1073	35-7524-1084	A7H070170010	35-7525-1085	A7H070170011	35-7526-1086
Constituent	Units							
Methyl Methanesulfonate	μg/kg				<400 U		<430 U	
Methylcholanthrene,3-	μg/kg				<810 U		<860 U	
Methylnaphthalene,2-	μg/kg				<400 U		<430 U	
N-nitroso-di-n-butylamine	μg/kg				<400 U		<430 U	
N-nitroso-n-propylamine	μg/kg				<400 U		<430 U	
N-nitrosodiethylamine	μg/kg				<400 U		<430 U	
N-nitrosodimethylamine	μg/kg				<400 U		<430 U	
N-nitrosodiphenylamine	μg/kg				<400 U		<430 U	
N-nitrosomethylethylamine	μg/kg				<400 U		<430 U J	
N-nitrosomorpholine	μg/kg				<400 U		<430 U	
N-nitrosopiperidine	μg/kg				<400 U		<430 U	
Naphthalene	μg/kg				<400 U		<430 U	
Naphthoquinone, 1,4-	μg/kg				<400 U		<430 U	
Naphthylamine,alpha-	μg/kg				<400 U		<430 U	
Naphthylamine,beta-	μg/kg				<400 U		<430 U	
Nitro-o-toluidine,5-	μg/kg				<400 U		<430 U	
Nitroaniline,2-	μg/kg				<1000 U		<1100 U	
Nitroaniline,3-	μg/kg				<1000 U		<1100 U	
Nitroaniline,4-	μg/kg				<1000 U		<1100 U	
Nitrobenzene	μg/kg				<400 U		<430 U	
Nitrophenol,2-	μg/kg				<400 U		<430 U	
Nitrophenol,4-	μg/kg				<1000 U J		<1100 U	
Nitroquinoline-1-oxide,4-	μg/kg				<400 U		<430 U	
Nitrosopyrrolidine,n-	μg/kg				<400 U		<430 U	
Pentachlorophenol	μg/kg				<1000 U		<1100 U	
Phenacetin	μg/kg				<400 U		<430 U	
Phenanthrene	μg/kg				<400 U		<430 U	
Phenol	μg/kg				<400 U		<430 U	

Notes: 1. Printed on 07/16/98

LEA

Page 173 of 248

								Page 173 of 248
	Location ID	SK-SB-211	SK-SB-211	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212
	Sample ID	1639705	1639706	1639707	1639707	1639708	1639708	1639709
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	12:40	12:45	12:55	12:55	13:00	13:00	13:05
	Sample Depth	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	QUAN	LEA	QUAN	LEA
	Lab. Number	35-7512-1072	35-7513-1073	35-7524-1084	A7H070170010	35-7525-1085	A7H070170011	35-7526-1086
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg				<400 U J		<430 U	
Picoline,2-	μg/kg				<400 U		<430 U	
Pronamide	μg/kg				<400 U		<430 U	
Propane),2,2'-oxybis(1-chloro-	μg/kg				<400 U		<430 U	
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg				<400 U		<430 U	
Pyridine	μg/kg				<400 U		<430 U	
Safrole	μg/kg				<400 U		<430 U	
Tetrachlorobenzene, 1, 2, 4, 5-	μg/kg				<400 U		<430 U	
Tetrachlorophenol,2,3,4,6-	μg/kg	<u></u>			<400 U		<430 U	
Toluidine,o-	μg/kg				<400 U		<430 U	
Trichlorobenzene, 1, 2, 4-	μg/kg				<400 U	·	<430 U	
Trichlorophenol,2,4,5-	μg/kg				<400 U		<430 U	
Trichlorophenol,2,4,6-	μg/kg				<400 U		<430 U	
Triethyl Phosphorothioate,o,o,o-	μg/kg				<400 U		<430 U	
Acetone	μg/kg						<130 U J	
Acrolein	μg/kg						<65 U	
Acrylonitrile	μg/kg						<65 U	
Allyl Chloride	μg/kg						<130 U	
Benzene	μg/kg						<6.5 U	
Benzene (screening)	μg/kg	<7	<8	<8		<7		<7
Bromobenzene	μg/kg							
Bromoform	μg/kg						<6.5 U	
Carbon Disulfide	μg/kg						<6.5 U	
Carbon Tetrachloride	μg/kg						<6.5 U	
Chlorobenzene	μg/kg						<6.5 U	
Chlorodibromomethane	μg/kg						<6.5 U	
Chloroethane	μg/kg						<13 U	



Page 174 of 248

							· · · · · · · · · · · · · · · · · · ·	Page 174 of
	Location ID	SK-SB-211	SK-SB-211	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212
	Sample ID	1639705	1639706	1639707	1639707	1639708	1639708	1639709
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	12:40	12:45	12:55	12:55	13:00	13:00	13:05
	Sample Depth	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	QUAN	LEA	QUAN	LEA
	Lab. Number	35-7512-1072	35-7513-1073	35-7524-1084	A7H070170010	35-7525-1085	A7H070170011	35-7526-1086
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg						<6.5 U	
Chloroprene, beta-	μg/kg_						<6.5 U	
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg_						<6.5 U	
Dichlorobenzene, 1,2-	μg/kg				<400 U		<430 U	
Dichlorobenzene, 1,3-	μg/kg				<400 U		<430 U	
Dichlorobenzene, 1,4-	μg/kg				<400 U		<430 U	
Dichlorobromomethane	μg/kg						<6.5 U	
Dichlorodifluoromethane	μg/kg						<6.5 U	
Dichloroethane,1,1-	μg/kg						<6.5 U	
Dichloroethane,1,2-	μg/kg						<6.5 U	
Dichloroethylene, 1, 1-	μg/kg						<6.5 U	
Dichloroethylene, 1,2-cis-	μg/kg						<6.5 U	
Dichloroethylene, 1, 2-trans-	μg/kg						<6.5 U	
Dichloropropane, 1,2-	μg/kg						<6.5 U	
Dichloropropylene, 1,3-	μg/kg						<6.5 U	
Dichloropropylene,1,3-cis-	μg/kg							
Dichloropropylene, 1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg						<6.5 U	
Ethylbenzene	μg/kg						<6.5 U	
Ethylbenzene (screening)	μg/kg	<9	<11	<11		<10		<9
Ethylene Dibromide	μg/kg						<6.5 U	
Hexanone,2-	μg/kg						<65 U J	
Iodomethane	μg/kg						<6.5 U	
Methacrylonitrile	μg/kg						<6.5 U	
Methyl Bromide	μg/kg						<13 U J	



Page 175 of 248

								Page 175 of 248
	Location ID	SK-SB-211	SK-SB-211	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212
	Sample ID	1639705	1639706	1639707	1639707	1639708	1639708	1639709
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	12:40	12:45	12:55	12:55	13:00	13:00	13:05
	Sample Depth	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	QUAN	LEA	QUAN	LEA
	Lab. Number	35-7512-1072	35-7513-1073	35-7524-1084	A7H070170010	35-7525-1085	A7H070170011	35-7526-1086
Constituent	Units							
Methyl Chloride	μg/kg						<13 U	
Methyl Ethyl Ketone	μg/kg						<130 U	
Methyl Methacrylate	μg/kg						<6.5 U	
Methyl-2-pentanone,4-	μg/kg						<13 U	
Methyl-tert-butyl Ether	μg/kg	<u> </u>					<6.5 U	
Methylene Chloride	μg/kg						<6.5 U	
Pentachlorobenzene	μg/kg				<400 U		<430 U	
Pentachloroethane	μg/kg				<400 U		<430 U	
Pentachloronitrobenzene	μg/kg				<400 U		<430 U	
Propionitrile	μg/kg						<26 U	
Styrene	μg/kg						<6.5 U	
Tetrachloroethane, 1, 1, 1, 2-	μg/kg						<6.5 U	
Tetrachloroethane, 1, 1, 2, 2-	μg/kg						<6.5 U	
Tetrachloroethylene	μg/kg						<6.5 U	
Tetrachloroethylene (screening)	μg/kg	<10	<12	4 J		<11		<10
Toluene	μg/kg						<6.5 U	
Toluene (screening)	μg/kg	<9	<11	<11		<10		<9
Trichloroethane, 1, 1, 1-	μg/kg						<6.5 U	
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<160	<191	<191		<171		<160
Trichloroethane, 1, 1, 2-	μg/kg						<6.5 U	
Trichloroethylene	μg/kg						<6.5 U	
Trichloroethylene (screening)	μg/kg	<16	<19	<19		<17		<16
Trichloromonofluoromethane	μg/kg						<6.5 U	
Trichloropropane, 1, 2, 3-	μg/kg						<6.5 U	
Vinyl Acetate	μg/kg						<6.5 U	
Vinyl Chloride	μg/kg						<13 U	
Xylene,o- (screening)	μg/kg	<13	<16	<16		<14		<13
Xylenes (Total)	μg/kg						<6.5 U	

Page 176 of 248

								Page 1/6 of 2
	Location ID	SK-SB-211	SK-SB-211	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212
	Sample ID	1639705	1639706	1639707	1639707	1639708	1639708	1639709
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	12:40	12:45	12:55	12:55	13:00	13:00	13:05
	Sample Depth	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	LEA	LEA	LEA	QUAN	LEA	QUAN	LEA
	Lab. Number	35-7512-1072	35-7513-1073	35-7524-1084	A7H070170010	35-7525-1085	A7H070170011	35-7526-1086
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg	<7	<8	<8		<7		<7
		1						
		1		1				
				†				<u> </u>
				1	1			†
		1	<del> </del>	<del> </del>	<del></del>	<del> </del>		<del>                                     </del>
		<del> </del>		1				1
		<del></del>	<del> </del>		<del></del>			
		<del></del>	<del> </del>	+	<del></del>	<del>                                     </del>		<del> </del>
		<del> </del>	<del></del>	<del></del>		<del> </del>		<del> </del>

Notes: 1. Printed on 07/16/98

LΕΔ

#### Table 3

#### DRAFT

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 177 of 24
	Location ID	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-213	SK-SB-213	SK-SB-213
	Sample ID	1639710	1639712	1639713	1639714	1639715	1639715	1639716
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	13:10	13:20	13:25	13:30	13:40	13:40	13:45
	Sample Depth	6' - 8'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	QUAN	LEA
	Lab. Number	35-7527-1087	25-1223-123	35-7530-1090	35-7531-1091	25-1202-102	A7H070170018	25-1203-103
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	•	08/04/1997	08/04/1997	08/04/1997	08/04/1997	08/04/1997	08/14/1997	08/04/1997
Date Physical Analysed	-						08/13/1997	
Date Semi-volatile Organics Analyzed	-						08/21/1997	
Dinoseb	μg/kg						<390 U	
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg						-	
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg						<390 U	
Aramite	μg/kg						<390 U	
Dibromo-3-chloropropane,1,2-	μg/kg						<5.9 U	
Dimethoate	μg/kg						<390 U	
Disulfoton	μg/kg		,				<390 U	
Famphur	μg/kg						<390 U J	
Phorate	μg/kg						<390 U	
Total Petroleum Hydrocarbons	mg/kg						<59 U	
Acenaphthene	μg/kg						<390 U	
Acenaphthylene	μg/kg	1					<390 U	
Acetophenone	μg/kg						<390 U	
Aminobiphenyl,4-	μg/kg						<390 U	
Aniline	μg/kg	1					<390 U	

Page 178 of 248

								Page 1/8 of 24
	Location ID	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-213	SK-SB-213	SK-SB-213
	Sample ID	1639710	1639712	1639713	1639714	1639715	1639715	1639716
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	13:10	13:20	13:25	13:30	13:40	13:40	13:45
	Sample Depth	6' - 8'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	QUAN	LEA
	Lab. Number	35-7527-1087	25-1223-123	35-7530-1090	35-7531-1091	25-1202-102	A7H070170018	25-1203-103
Constituent	Units							
Anthracene	μg/kg						<390 U	
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg						<390 U	
Benzo[a]pyrene	μg/kg						<390 U	
Benzo[b]fluoranthene	μg/kg						<390 U	
Benzo[ghi]perylene	μg/kg						<390 U	
Benzo[k]fluoranthene	μg/kg						<390 U	
Benzyl Alcohol	μg/kg						<800 U J	
Bis(2-chloroethoxy)methane	μg/kg			_			<390 U	
Bis(2-chloroethyl) Ether	μg/kg						<390 U	
Bis(2-ethylhexyl)phthalate	μg/kg						<390 U	
Bromophenyl Phenyl Ether,4-	μg/kg						<390 U	
Butyl Benzyl Phthalate	μg/kg						<390 U	
Carbazole	μg/kg						<390 U	
Chloro-m-cresol,p-	μg/kg						<800 U	
Chloroaniline,4-	μg/kg						<390 U	
Chloronaphthalene,2-	μg/kg						<390 U	
Chlorophenol,2-	μg/kg						<390 U	
Chlorophenyl Phenyl Ether,4-	μg/kg						<390 U	
Chrysene	μg/kg						<390 U	
Cresol,2-	μg/kg						<390 U	
Cresol,3-	μg/kg						<390 U	
Cresol,4-	μg/kg						<390 U	
Di-n-butyl Phthalate	μg/kg						<390 U	
Di-n-octyl Phthalate	μg/kg						<390 U	
Dibenzo[a,h]anthracene	μg/kg						<390 U	
Dibenzofuran	μg/kg						<390 U	
Dichloro-2-butylene, 1,4-trans-	μg/kg						<5.9 U	

Notes: 1. Printed on 07/16/98

LEΔ

DRAFT

#### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 179 of 248

	Location ID	SK-SB-212	SK-SB-212	CV CD 212	CV CD 212	SK-SB-213	CV CD 212	SK-SB-213
	Sample ID	1639710	1639712	SK-SB-212	SK-SB-212 1639714	1639715	SK-SB-213 1639715	1639716
		· · · · · · · · · · · · · · · · · · ·		1639713				
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	13:10	13:20	13:25	13:30	13:40	13:40	13:45
	Sample Depth	6' - 8'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	QUAN	LEA
	Lab. Number	35-7527-1087	25-1223-123	35-7530-1090	35-7531-1091	25-1202-102	A7H070170018	25-1203-103
Constituent	Units							<b>.</b>
Dichlorobenzidine,3,3'-	μg/kg						<800 U	
Dichlorophenol,2,4-	μg/kg						<390 U	
Diethyl Phthalate	μg/kg						<390 U J	
Dimethyl Phthalate	μg/kg						<390 U	
Dimethylaminoazobenzene,4-	μg/kg	<u> </u>					<390 U	
Dimethylbenzidine,3,3'-	μg/kg						<390 U	
Dimethylbenzo[a]anthracene,7,12-	μg/kg						<390 U	
Dimethylphenethylamine,alpha,alpha-	μg/kg						<390 U	
Dimethylphenol,2,4-	μg/kg						<390 U	
Dinitro-o-cresol,4,6-	μg/kg						<990 U	
Dinitrobenzene,1,3-	μg/kg						<390 U	
Dinitrophenol,2,4-	μg/kg						<990 U	
Dinitrotoluene,2,4-	μg/kg						<390 U	
Dinitrotoluene,2,6-	μg/kg						<390 U	
Diphenylamine	μg/kg						<390 U	
Diphenylhydrazine,1,2-	μg/kg							
Ethyl Methanesulfonate	μg/kg						<390 U	
Fluoranthene	μg/kg						490	
Fluorene	μg/kg						<390 U	
Hexachlorobenzene	μg/kg						<390 U	
Hexachlorobutadiene	μg/kg						<390 U	
Hexachlorocyclopentadiene	μg/kg						<390 U	
Hexachloroethane	μg/kg						<390 U	
Hexachloropropylene	μg/kg						<390 U	
Indeno(1,2,3-cd)pyrene	μg/kg						<390 U	
Isophorone	μg/kg						<390 U	
Isosafrole	μg/kg						<390 U	
Methapyrilene	μg/kg			•			<390 U	



Page 180 of 248

\$ \$ \$ \$ \$ \$ \$ \$	Location ID  Sample ID  Sample Date  Sample Time  Sample Depth	SK-SB-212 1639710 08/01/1997 13:10	SK-SB-212 1639712 08/01/1997	SK-SB-212 1639713	SK-SB-212 1639714	SK-SB-213 1639715	SK-SB-213 1639715	SK-SB-213
\$ \$ \$ \$	Sample Date Sample Time	08/01/1997		1639713	1639714	1639715	1620715	1
\$	Sample Time		08/01/1997		1	1037/13	1037/13	1639716
		13:10	1	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Depth		13:20	13:25	13:30	13:40	13:40	13:45
		6' - 8'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'
7	Laboratory	LEA	LEA	LEA	LEA	LEA	QUAN	LEA
J	Lab. Number	35-7527-1087	25-1223-123	35-7530-1090	35-7531-1091	25-1202-102	A7H070170018	25-1203-103
Constituent	Units							
Methyl Methanesulfonate	μg/kg						<390 U	
Methylcholanthrene,3-	μg/kg						<780 U	
Methylnaphthalene,2-	μg/ <b>kg</b>						<390 U	
N-nitroso-di-n-butylamine	μg/kg						<390 U	
N-nitroso-n-propylamine	μg/kg						<390 U	
N-nitrosodiethylamine	μg/kg						<390 U	
N-nitrosodimethylamine ,	μg/kg						<390 U	
N-nitrosodiphenylamine 1	μg/kg						<390 U	
N-nitrosomethylethylamine	μg/kg						<390 U	
N-nitrosomorpholine	μg/kg						<390 U	
N-nitrosopiperidine	μg/kg						<390 U	
Naphthalene	μg/kg						<390 U	
Naphthoquinone, 1,4-	μg/kg						<390 U	
Naphthylamine,alpha-	μg/kg						<390 U	
Naphthylamine,beta-	μg/kg						<390 U	
Nitro-o-toluidine,5-	μg/kg						<390 U	
Nitroaniline,2-	μg/kg						<990 U	
Nitroaniline,3-	μg/kg						<990 U	
Nitroaniline,4-	μg/kg						<990 U	
Nitrobenzene	μg/kg						<390 U	
Nitrophenol,2-	μg/kg						<390 U	
Nitrophenol,4-	μg/kg						<990 U J	
Nitroquinoline-1-oxide,4-	μg/kg						<390 U	
Nitrosopyrrolidine,n-	μg/kg						<390 U	
Pentachlorophenol	μg/kg						<990 U	
	μg/kg						<390 U	
	μg/kg						<390 U	
	μg/kg						<390 U	

Page 181 of 248

DRAFT

								Page 181 of 248
	Location ID	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-213	SK-SB-213	SK-SB-213
	Sample ID	1639710	1639712	1639713	1639714	1639715	1639715	1639716
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	13:10	13:20	13:25	13:30	13:40	13:40	13:45
	Sample Depth	6' - 8'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	QUAN	LEA
	Lab. Number	35-7527-1087	25-1223-123	35-7530-1090	35-7531-1091	25-1202-102	A7H070170018	25-1203-103
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg						<390 U J	
Picoline,2-	μg/kg						<390 U	
Pronamide	μg/kg						<390 U	
Propane),2,2'-oxybis(1-chloro-	μg/kg						<390 U	
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg						480	
Pyridine	μg/kg						<390 U	
Safrole	μg/kg						<390 U	
Tetrachlorobenzene, 1, 2, 4,5-	μg/kg						<390 U	
Tetrachlorophenol,2,3,4,6-	μg/kg	<u> </u>					<390 U	
Toluidine,o-	μg/kg						<390 U	
Trichlorobenzene, 1, 2, 4-	μg/kg						<390 U	
Trichlorophenol,2,4,5-	μg/kg						<390 U	
Trichlorophenol,2,4,6-	μg/kg						<390 U	
Triethyl Phosphorothioate,o,o,o-	μg/kg						<390 U	
Acetone	μg/kg						<120 U J	
Acrolein	μg/kg					,	<59 U	
Acrylonitrile	μg/kg						<59 U	
Allyl Chloride	μg/kg						<120 U	
Benzene	μg/kg						<5.9 U	
Benzene (screening)	μg/kg	<7	<7	<7	<7	<7		<8
Bromobenzene	μg/kg							
Bromoform	μg/kg						<5.9 U	
Carbon Disulfide	μg/kg						<5.9 U	
Carbon Tetrachloride	μg/kg						<5.9 U	
Chlorobenzene	μg/kg						<5.9 U	
Chlorodibromomethane	μg/kg						<5.9 U	
Chloroethane	μg/kg						<12 U	
Notes: 1 Printed on 07/17/09								

Page 182 of 248

								Page 182 of 24
	Location ID	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-213	SK-SB-213	SK-SB-213
	Sample ID	1639710	1639712	1639713	1639714	1639715	1639715	1639716
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	13:10	13:20	13:25	13:30	13:40	13:40	13:45
	Sample Depth	6' - 8'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	QUAN	LEA
	Lab. Number	35-7527-1087	25-1223-123	35-7530-1090	35-7531-1091	25-1202-102	A7H070170018	25-1203-103
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg							
Chloroform	μg/kg						<5.9 U	
Chloroprene, beta-	μg/kg						<5.9 U	
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg						<5.9 U	
Dichlorobenzene,1,2-	μg/kg						<390 U	
Dichlorobenzene,1,3-	μg/kg						<390 U	
Dichlorobenzene,1,4-	μg/kg						<390 U	
Dichlorobromomethane	μg/kg						<5.9 U	
Dichlorodifluoromethane	μg/kg						<5.9 U	
Dichloroethane, 1,1-	μg/kg						<5.9 U	
Dichloroethane, 1,2-	μg/kg						<5.9 U	
Dichloroethylene,1,1-	μg/kg						<5.9 U	
Dichloroethylene,1,2-cis-	μg/kg						<5.9 U	
Dichloroethylene,1,2-trans-	μg/kg						<5.9 U	
Dichloropropane,1,2-	μg/kg						<5.9 U	
Dichloropropylene,1,3-	μg/kg						<5.9 U	
Dichloropropylene,1,3-cis-	μg/kg							
Dichloropropylene, 1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg						<5.9 U	
Ethylbenzene	μg/kg						<5.9 U	
Ethylbenzene (screening)	μg/kg	<10	<15	<10	<10	<15		<16
Ethylene Dibromide	μg/kg						<5.9 U	
Hexanone,2-	μg/kg						<59 U J	
Iodomethane	μg/kg						<5.9 U	
Methacrylonitrile	μg/kg			,			<5.9 U	
Methyl Bromide	μg/kg						<12 U J	



								Page 183 of 248
	Location ID	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-213	SK-SB-213	SK-SB-213
	Sample ID	1639710	1639712	1639713	1639714	1639715	1639715	1639716
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	13:10	13:20	13:25	13:30	13:40	13:40	13:45
	Sample Depth	6' - 8'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	QUAN	LEA
	Lab. Number	35-7527-1087	25-1223-123	35-7530-1090	35-7531-1091	25-1202-102	A7H070170018	25-1203-103
Constituent	Units							
Methyl Chloride	μg/kg						<12 U	
Methyl Ethyl Ketone	μg/kg						<120 U	
Methyl Methacrylate	μg/kg						<5.9 U	
Methyl-2-pentanone,4-	μg/kg						<12 U	,
Methyl-tert-butyl Ether	μg/kg						<5.9 U	
Methylene Chloride	μg/kg						<5.9 U	
Pentachlorobenzene	μg/kg						<390 U	
Pentachloroethane	μg/kg						<390 U	
Pentachloronitrobenzene	μg/kg						<390 U	
Propionitrile	μg/kg						<24 U	
Styrene	μg/kg						<5.9 U	
Tetrachloroethane, 1, 1, 1, 2-	μg/kg						<5.9 U	
Tetrachloroethane, 1, 1, 2, 2-	μg/kg						<5.9 U	
Tetrachloroethylene	μg/kg						6.7 J	
Tetrachloroethylene (screening)	μg/kg	<10	<18	<10	<11	41		10 J
Toluene	μg/kg						<5.9 U	
Toluene (screening)	μg/kg	<10	<10	<10	<10	<10		<11
Trichloroethane,1,1,1-	μg/kg						< <b>5.9</b> U	
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<165	<182	<165	<168	<185		<203
Trichloroethane,1,1,2-	μg/kg						<5.9 U	
Trichloroethylene	μg/kg						<5.9 U	
Trichloroethylene (screening)	μg/kg_	<16	<18	<16	<16	7 J		<20
Trichloromonofluoromethane	μg/kg						<5.9 U	
Trichloropropane, 1, 2, 3-	μg/kg						<5.9 U	
Vinyl Acetate	μg/kg						<5.9 U	
Vinyl Chloride	μg/kg_						<12 U	
Xylene,o- (screening)	μg/kg	<14	<19	<14	<14	<20		<22
Xylenes (Total)	μg/kg						<5.9 U	
V		J						<u> </u>



Page 184 of 248

								Page 184 of 2
	Location ID	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-212	SK-SB-213	SK-SB-213	SK-SB-213
	Sample ID	1639710	1639712	1639713	1639714	1639715	1639715	1639716
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	13:10	13:20	13:25	13:30	13:40	13:40	13:45
	Sample Depth	6' - 8'	10' - 12'	12' - 14'	14' - 16'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	QUAN	LEA
	Lab. Number	35-7527-1087	25-1223-123	35-7530-1090	35-7531-1091	25-1202-102	A7H070170018	25-1203-103
Constituent	Units							
Kylenes,m- & p- (screening)	μg/kg	<7	<10	<7	<7	<10		<11
-								
					•			
		- <del> </del>						
		-						
	-							
								<del> </del>
	_							<del> </del>
		<del>-</del>						
~ · · · · · · · · · · · · · · · · · · ·								
								<del>                                     </del>
		<del></del>						
								<del></del>
								<del> </del>

Notes: 1. Printed on 07/16/98

LΕΔ

#### Table 3

#### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 185 of 248
	Location ID	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213
	Sample ID	1639716	1639717	1639718	1639719	1639719	1639720	1639721
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	13:45	13:50	13:55	14:00	14:00	14:05	14:10
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	8' - 10'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	QUAN	LEA	LEA	LEA	QUAN	LEA	LEA
	Lab. Number	A7H070170019	25-1204-104	25-1205-105	25-1206-106	A7H070170022	25-1207-107	25-1208-108
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-		08/04/1997	08/04/1997	08/04/1997	08/13/1997	08/04/1997	08/04/1997
Date Physical Analysed	-	08/13/1997				08/13/1997		
Date Semi-volatile Organics Analyzed		08/21/1997				08/20/1997		
Dinoseb	μg/kg	<350 U				<410 U		
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg	<350 U				<410 U		
Aramite	μg/kg	<350 U				<410 U		
Dibromo-3-chloropropane, 1,2-	μg/kg					<6.1 U		
Dimethoate	μg/kg	<350 U				<410 U		
Disulfoton	μg/kg	<350 U				<410 U		
Famphur	μg/kg	<350 U J				<410 U J		
Phorate	μg/kg	<350 U				<410 U		
Total Petroleum Hydrocarbons	mg/kg	<53 U				<61 U		
Acenaphthene	μg/kg	<350 U				<410 U		
Acenaphthylene	μg/kg	<350 U				<410 U		
Acetophenone	μg/kg	<350 U				<410 U		
Aminobiphenyl,4-	μg/kg	<350 U				<410 U		
Aniline	μg/kg	<350 U				<410 U		

Page 186 of 248

								Page 180 01 246
	Location ID	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213
	Sample ID	1639716	1639717	1639718	1639719	1639719	1639720	1639721
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	13:45	13:50	13:55	14:00	14:00	14:05	14:10
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	8' - 10'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	QUAN	LEA	LEA	LEA	QUAN	LEA	LEA
	Lab. Number	A7H070170019	25-1204-104	25-1205-105	25-1206-106	A7H070170022	25-1207-107	25-1208-108
Constituent	Units							
Anthracene	μg/kg	<350 U				<410 U		
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg	<350 U				<410 U		
Benzo[a]pyrene	μg/kg	<350 U				<410 U		
Benzo[b]fluoranthene	μg/kg	<350 U				<410 U		
Benzo[ghi]perylene	μg/kg	<350 Ŭ				<410 U		
Benzo[k]fluoranthene	μg/kg	<350 U				<410 U		
Benzyl Alcohol	μg/kg	<710 U J				<820 U		
Bis(2-chloroethoxy)methane	μg/kg	<350 U				<410 U		
Bis(2-chloroethyl) Ether	μg/kg	<350 U				<410 U		
Bis(2-ethylhexyl)phthalate	μg/kg	<350 U				<410 U		
Bromophenyl Phenyl Ether,4-	μg/kg	<350 U				<410 U		
Butyl Benzyl Phthalate	μg/kg	<350 U				<410 U		
Carbazole	μg/kg	<350 U				<410 U		
Chloro-m-cresol,p-	μg/kg	<710 U				<820 U		
Chloroaniline,4-	μg/kg	<350 U				<410 U		
Chloronaphthalene,2-	μg/kg	<350 U				<410 U		
Chlorophenol,2-	μg/kg	<350 U				<410 U		
Chlorophenyl Phenyl Ether,4-	μg/kg	<350 U				<410 U		
Chrysene	μg/kg	<350 U				<410 U		
Cresol,2-	μg/kg	<350 U				<410 U		
Cresol,3-	μg/kg	<350 U				<410 U		
Cresol,4-	μg/kg	<350 U				<410 U		
Di-n-butyl Phthalate	μg/kg	<350 U				<410 U		
Di-n-octyl Phthalate	μg/kg	<350 U				<410 U		
Dibenzo[a,h]anthracene	μg/kg	<350 U				<410 U		
Dibenzofuran	μg/kg	<350 U				<410 U		
Dichloro-2-butylene, 1,4-trans-	μg/kg			T T		<6.1 U		

Notes: 1. Printed on 07/16/98

LEΔ

DRAFT

### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 187 of 248

								Page 187 of 24
	Location ID	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213
	Sample ID	1639716	1639717	1639718	1639719	1639719	1639720	1639721
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	13:45	13:50	13:55	14:00	14:00	14:05	14:10
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	8' - 10'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	QUAN	LEA	LEA	LEA	QUAN	LEA	LEA
	Lab. Number	A7H070170019	25-1204-104	25-1205-105	25-1206-106	A7H070170022	25-1207-107	25-1208-108
Constituent	Units				1,			
Dichlorobenzidine,3,3'-	μg/kg	<710 U				<820 U		
Dichlorophenol,2,4-	μg/kg	<350 U				<410 U		
Diethyl Phthalate	μg/kg	<350 U J				<410 U J		
Dimethyl Phthalate	μg/kg	<350 U				<410 U		
Dimethylaminoazobenzene,4-	μg/kg	<350 U				<410 U		
Dimethylbenzidine,3,3'-	μg/kg	<350 U				<410 U		
Dimethylbenzo[a]anthracene,7,12-	μg/kg	<350 U				<410 U		
Dimethylphenethylamine,alpha,alpha-	μg/kg	<350 U				<410 U J		
Dimethylphenol,2,4-	μg/kg	<350 U				<410 U		
Dinitro-o-cresol,4,6-	μg/kg	<880 U				<1000 U		
Dinitrobenzene,1,3-	μg/kg	<350 U				<410 U		
Dinitrophenol,2,4-	μg/kg	<880 U				<1000 U		
Dinitrotoluene,2,4-	μg/kg	<350 U				<410 U		
Dinitrotoluene,2,6-	μg/kg	<350 U				<410 U		
Diphenylamine	μg/kg	<350 U				<410 U		
Diphenylhydrazine, 1,2-	μg/kg						•	
Ethyl Methanesulfonate	μg/kg	<350 U				<410 U		
Fluoranthene	μg/kg	<350 U				<410 U		
Fluorene	μg/kg	<350 U				<410 U		
Hexachlorobenzene	μg/kg	<350 U				<410 U		
Hexachlorobutadiene	μg/kg	<350 U				<410 U		
Hexachlorocyclopentadiene	μg/kg	<350 U				<410 U		
Hexachloroethane	μg/kg	<350 U				<410 U		
Hexachloropropylene	μg/kg	<350 U				<410 U		
Indeno(1,2,3-cd)pyrene	μg/kg	<350 U				<410 U		
Isophorone	μg/kg	<350 U				<410 U		
Isosafrole	μg/kg	<350 U				<410 U		
Methapyrilene	μg/kg	<350 U				<410 U		



Page 188 of 248

		·						Page 188 of 2
	Location ID	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213
	Sample ID	1639716	1639717	1639718	1639719	1639719	1639720	1639721
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	13:45	13:50	13:55	14:00	14:00	14:05	14:10
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	8' - 10'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	QUAN	LEA	LEA	LEA	QUAN	LEA	LEA
	Lab. Number	A7H070170019	25-1204-104	25-1205-105	25-1206-106	A7H070170022	25-1207-107	25-1208-108
Constituent	Units							
Methyl Methanesulfonate	μg/kg	<350 U				<410 U		
Methylcholanthrene,3-	μg/kg	<700 U				<810 U		
Methylnaphthalene,2-	μg/kg	<350 U				<410 U		
N-nitroso-di-n-butylamine	μg/kg	<350 U				<410 U		
N-nitroso-n-propylamine	μg/kg	<350 U				<410 U		
N-nitrosodiethylamine	μg/kg	<350 U				<410 U		
N-nitrosodimethylamine	μg/kg	<350 U				<410 U		
N-nitrosodiphenylamine	μg/kg	<350 U				<410 U		
N-nitrosomethylethylamine	μg/kg	<350 U				<410 U J		
N-nitrosomorpholine	μg/kg	<350 U				<410 U		
N-nitrosopiperidine	μg/kg	<350 U				<410 U		
Naphthalene	μg/kg	<350 U				<410 U		
Naphthoquinone, 1,4-	μg/kg	<350 U				<410 U		
Naphthylamine,alpha-	μg/kg	<350 U				<410 U		
Naphthylamine,beta-	μg/kg	<350 U				<410 U		
Nitro-o-toluidine,5-	μg/kg	<350 U				<410 U		
Nitroaniline,2-	μg/kg	<880 U				<1000 U		
Nitroaniline,3-	μg/kg	<880 U				<1000 U		
Nitroaniline,4-	μg/kg	<880 U				<1000 U		
Nitrobenzene	μg/kg	<350 U				<410 U		
Nitrophenol,2-	μg/kg	<350 U				<410 U		
Nitrophenol,4-	μg/kg	<880 U J				<1000 U		
Nitroquinoline-1-oxide,4-	μg/kg	<350 U				<410 U		
Nitrosopyrrolidine,n-	μg/kg	<350 U				<410 U		
Pentachlorophenol	μg/kg	<880 U				<1000 U		
Phenacetin	μg/kg	<350 U				<410 U		
Phenanthrene	μg/kg	<350 U				<410 U		
Phenoi	μg/kg	<350 U				<410 U		

Notes: 1. Printed on 07/16/98

LΕΔ

								Page 189 of 248
	Location ID	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213
	Sample ID	1639716	1639717	1639718	1639719	1639719	1639720	1639721
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	13:45	13:50	13:55	14:00	14:00	14:05	14:10
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	8' - 10'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	QUAN	LEA	LEA	LEA	QUAN	LEA	LEA
	Lab. Number	A7H070170019	25-1204-104	25-1205-105	25-1206-106	A7H070170022	25-1207-107	25-1208-108
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg	<350 U J				<410 U		
Picoline,2-	μg/kg	<350 U				<410 U		
Pronamide	μg/kg	<350 U				<410 U		
Propane),2,2'-oxybis(1-chloro-	μg/kg	<350 U				<410 U		
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg	<350 U				<410 U		
Pyridine	μg/kg	<350 U				<410 U		
Safrole	μg/kg	<350 U				<410 U		
Tetrachlorobenzene, 1, 2, 4, 5-	μg/kg	<350 U				<410 U		
Tetrachlorophenol,2,3,4,6-	μg/kg	<350 U				<410 U		
Toluidine,o-	μg/kg	<350 U				<410 U		
Trichlorobenzene,1,2,4-	μg/kg	<350 U				<410 U		
Trichlorophenol,2,4,5-	μg/kg	<350 U				<410 U		
Trichlorophenol,2,4,6-	μg/kg	<350 U				<410 U		
Triethyl Phosphorothioate, 0, 0, 0-	μg/kg	<350 U				<410 U		
Acetone	μg/kg					<120 U J		
Acrolein	μg/kg					<61 U		
Acrylonitrile	μg/kg					<61 U		
Allyl Chloride	μg/kg					<120 U		
Benzene	μg/kg					<6.1 U		
Benzene (screening)	μg/kg		<8	<7	<7		<7	<8
Bromobenzene	μg/kg							
Bromoform	μg/kg					<6.1 U		
Carbon Disulfide	μg/kg					<6.1 U		
Carbon Tetrachloride	μg/kg					<6.1 U		
Chlorobenzene	μg/kg					<6.1 U		
Chlorodibromomethane	μg/kg			,		<6.1 U		
Chloroethane	μg/kg	1	T			<12 U		



Page 190 of 248

								Page 190 of 24
	Location ID	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213
	Sample ID	1639716	1639717	1639718	1639719	1639719	1639720	1639721
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	13:45	13:50	13:55	14:00	14:00	14:05	14:10
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	8' - 10'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	QUAN	LEA	LEA	LEA	QUAN	LEA	LEA
	Lab. Number	A7H070170019	25-1204-104	25-1205-105	25-1206-106	A7H070170022	25-1207-107	25-1208-108
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg		·					
Chloroform	μg/kg					<6.1 U		
Chloroprene, beta-	μg/kg					<6.1 U		
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg					<6.1 U		
Dichlorobenzene, 1,2-	μg/kg	<350 U				<410 U		
Dichlorobenzene, 1,3-	μg/kg	<350 U				<410 U		
Dichlorobenzene, 1,4-	μg/kg	<350 U				<410 U		
Dichlorobromomethane	μg/kg					<6.1 U		
Dichlorodifluoromethane	μg/kg					<6.1 U		
Dichloroethane,1,1-	μg/kg					<6.1 U		
Dichloroethane,1,2-	μg/kg					<6.1 U		
Dichloroethylene,1,1-	μg/kg					<6.1 U		
Dichloroethylene,1,2-cis-	μg/kg					<6.1 U		
Dichloroethylene, 1,2-trans-	μg/kg					<6.1 U		
Dichloropropane, 1,2-	μg/kg					<6.1 U		
Dichloropropylene,1,3-	μg/kg					<6.1 U		
Dichloropropylene,1,3-cis-	μg/kg							
Dichloropropylene, 1, 3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg					<6.1 U		
Ethylbenzene	μg/kg					<6.1 U		
Ethylbenzene (screening)	μg/kg		<16	<16	<16		<15	<17
Ethylene Dibromide	μg/kg					<6.1 U		
Hexanone,2-	μg/kg					<61 U J		
Iodomethane	μg/kg					<6.1 U		
Methacrylonitrile	μg/kg			,		<6.1 U		
Methyl Bromide	μg/kg					<12 U J		



#### DRAFT

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Table 3

					- <del></del>			Page 191 of 2
	Location ID	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213
	Sample ID	1639716	1639717	1639718	1639719	1639719	1639720	1639721
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	13:45	13:50	13:55	14:00	14:00	14:05	14:10
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	8' - 10'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	QUAN	LEA	LEA	LEA	QUAN	LEA	LEA
	Lab. Number	A7H070170019	25-1204-104	25-1205-105	25-1206-106	A7H070170022	25-1207-107	25-1208-108
Constituent	Units						,	
Methyl Chloride	μg/kg					<12 U		
Methyl Ethyl Ketone	μg/kg					<120 U		
Methyl Methacrylate	μg/kg					<6.1 U		
Methyl-2-pentanone,4-	μg/kg	<u> </u>				<12 U		
Methyl-tert-butyl Ether	μg/kg					<6.1 U		
Methylene Chloride	μg/kg					<6.1 U		
Pentachlorobenzene	μg/kg	<350 U				<410 U		
Pentachloroethane	μg/kg	<350 U				<410 U		
Pentachloronitrobenzene	μg/kg	<350 U				<410 U		
Propionitrile	μg/kg	l				<25 U		
Styrene	μg/kg					<6.1 U		
Tetrachloroethane,1,1,1,2-	μg/kg					<6.1 U		
Tetrachloroethane, 1, 1, 2, 2-	μg/kg					<6.1 U		
Tetrachloroethylene	μg/kg					<6.1 U		
Tetrachloroethylene (screening)	μg/kg		2 J	20 J	45		42	26
Toluene	μg/kg					<6.1 U		
Toluene (screening)	μg/kg		<12	<11	<11		<11	<12
Trichloroethane, 1, 1, 1-	μg/kg					<6.1 U		
Trichloroethane, 1, 1, 1- (screening)	μg/kg		<207	<195	<199		<192	<215
Trichloroethane, 1, 1, 2-	μg/kg					<6.1 U		
Trichloroethylene	μg/kg					<6.1 U		
Trichloroethylene (screening)	μg/kg		<20	<19	<20		<19	<21
Prichloromonotluoromethane	μg/kg					<6.1 U		
Frichloropropane, 1, 2, 3-	μg/kg					<6.1 U		
Vinyl Acetate	μg/kg					<6.1 U		
Vinyl Chloride	μg/kg					<12 U		
Xylene,o- (screening)	μg/kg		<22	<21	<21		<20	<23
Xylenes (Total)	μg/kg					<6.1 U		



### Table 3

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 192 of 248

DRAFT

								Page 192 of 24
	Location ID	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213	SK-SB-213
	Sample ID	1639716	1639717	1639718	1639719	1639719	1639720	1639721
	Sample Date	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997	08/01/1997
	Sample Time	13:45	13:50	13:55	14:00	14:00	14:05	14:10
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	8' - 10'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	QUAN	LEA	LEA	LEA	QUAN	LEA	LEA
	Lab. Number	A7H070170019	25-1204-104	25-1205-105	25-1206-106	A7H070170022	25-1207-107	25-1208-108
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg		<11	<10	<10		<10	<11
						* * * * * * * * * * * * * * * * * * * *		
		1					1	
		1	1					
			<del> </del>	<del></del>			<del> </del>	
			<del>                                     </del>				1	
							<del> </del>	-
			<u> </u>					
		.1						
		1						
<del></del>			· · · · · · · · · · · · · · · · · · ·				<del></del>	
	-							
			<del> </del>	<del></del>				
							<del>                                     </del>	
		-						
		-		· <del>  </del>				
						1		

#### Table 3

#### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 193 of 248

	_						Page 193 of 2
Location ID	SK-SB-213	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78
Sample ID	1639722	1017989	1017990	1017990	1017991	1017992	1017993
Sample Date	08/01/1997	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996
Sample Time	14:15	14:35	14:40	14:40	14:45	14:50	14:55
Sample Depth	14' - 16'	0' - 2'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	AEL
Lab. Number	25-1209-109	96-4599-553	AEL96010359	96-4600-554	96-4601-555	96-4602-556	AEL96010360
Units							
-			09/24/1996				09/24/1996
-	08/04/1997	09/13/1996	09/17/1996	09/13/1996	09/13/1996	09/13/1996	09/20/1996
-			09/30/1996				09/30/1996
-			10/08/1996				10/08/1996
μg/kg							
mg/kg			<1.00				<1.22
mg/kg			7.27				10.2
mg/kg			<2.99				<3.65
mg/kg			5.18				6.33
mg/kg			<19.9				<24.3
mg/kg			<0.199				<0.243
mg/kg			<10.0				<12.2
mg/kg			<1.00				<1.22
mg/kg			<4.98				<6.08
mg/kg			16.7				16.3
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
μg/kg							
mg/kg			<34.4				<40.2
μg/kg			<350				<400
μg/kg			<350				<400
μg/kg							
			,				
μg/kg							
	Sample ID Sample Date Sample Date Sample Depth Laboratory Lab. Number Units	Sample ID 1639722 Sample Date 08/01/1997 Sample Time 14:15 Sample Depth 14' - 16' Laboratory LEA Lab. Number 25-1209-109 Units 08/04/1997	Sample ID 1639722 1017989 Sample Date 08/01/1997 09/12/1996 Sample Time 14:15 14:35 Sample Depth 14' - 16' 0' - 2' Laboratory LEA LEA Lab. Number 25-1209-109 96-4599-553 Units	Sample ID       1639722       1017989       1017990         Sample Date       08/01/1997       09/12/1996       09/12/1996         Sample Time       14:15       14:35       14:40         Sample Depth       14'-16'       0'-2'       2'-4'         Laboratory       LEA       LEA       AEL         Lab. Number       25-1209-109       96-4599-553       AEL96010359         Units       09/24/1996       09/17/1996         -       08/04/1997       09/13/1996       09/17/1996         -       08/04/1997       09/13/1996       09/17/1996         -       09/30/1996       -       10/08/1996         -       09/30/1996       -       10/08/1996         -       09/30/1996       -       10/08/1996         -       09/30/1996       -       -       2.99         mg/kg        <1.00	Sample ID   1639722   1017989   1017990   1017990   Sample Date   08/01/1997   09/12/1996   09/12/1996   09/12/1996   09/12/1996   09/12/1996   09/12/1996   09/12/1996   09/12/1996   09/12/1996   09/12/1996   09/12/1996   09/12/1996   14:40	Sample ID   1639722   1017989   1017990   1017990   1017991	Sample ID   1639722   1017989   1017990   1017990   1017991   1017992



Page 194 of 248

								Page 194 of 24
	Location ID	SK-SB-213	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78
	Sample ID	1639722	1017989	1017990	1017990	1017991	1017992	1017993
	Sample Date	08/01/1997	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996
	Sample Time	14:15	14:35	14:40	14:40	14:45	14:50	14:55
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	AEL
	Lab. Number	25-1209-109	96-4599-553	AEL96010359	96-4600-554	96-4601-555	96-4602-556	AEL96010360
Constituent	Units							
Anthracene	μg/kg			<350				<400
Benzidine	μg/kg			<350				<400
Benzo[a]anthracene	μg/kg			<350				<400
Benzo[a]pyrene	μg/kg			<350				<400
Benzo[b]fluoranthene	μg/kg			<350				<400
Benzo[ghi]perylene	μg/kg			<350				<400
Benzo[k]fluoranthene	μg/kg			<350				<400
Benzyl Alcohol	μg/kg							
Bis(2-chloroethoxy)methane	μg/kg			<350				<400
Bis(2-chloroethyl) Ether	μg/kg			<350				<400
Bis(2-ethylhexyl)phthalate	μg/kg			<350				<400
Bromophenyl Phenyl Ether,4-	μg/kg			<350				<400
Butyl Benzyl Phthalate	μg/kg			<350				<400
Carbazole	μg/kg							
Chloro-m-cresol,p-	μg/kg							
Chloroaniline,4-	μg/kg							
Chloronaphthalene,2-	μg/kg			<350				<400
Chlorophenol,2-	μg/kg			<350				<400
Chlorophenyl Phenyl Ether,4-	μg/kg			<350				<400
Chrysene	μg/kg			<350				<400
Cresol,2-	μg/kg							
Cresol,3-	μg/kg							
Cresol,4-	μg/kg							
Di-n-butyl Phthalate	μg/kg			<860				<400
Di-n-octyl Phthalate	μg/kg			<350				<400
Dibenzo[a,h]anthracene	μg/kg			<350				<400
Dibenzofuran	μg/kg							
Dichloro-2-butylene, 1,4-trans-	μg/kg							



Page 195 of 248

	<u>-</u>							Page 195 of 248
	Location ID	SK-SB-213	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78
	Sample ID	1639722	1017989	1017990	1017990	1017991	1017992	1017993
	Sample Date	08/01/1997	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996
	Sample Time	14:15	14:35	14:40	14:40	14:45	14:50	14:55
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	AEL
	Lab. Number	25-1209-109	96-4599-553	AEL96010359	96-4600-554	96-4601-555	96-4602-556	AEL96010360
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg			<350				<400
Dichlorophenol,2,4-	μg/kg			<350				<400
Diethyl Phthalate	μg/kg			<350				<400
Dimethyl Phthalate	μg/kg			<350				<400
Dimethylaminoazobenzene,4-	μg/kg							
Dimethylbenzidine,3,3'-	μg/kg							
Dimethylbenzo[a]anthracene,7,12-	μg/kg							
Dimethylphenethylamine,alpha,alpha-	μg/kg							
Dimethylphenol,2,4-	μg/kg			<350				<400
Dinitro-o-cresol,4,6-	μg/kg			<350				<400
Dinitrobenzene, 1,3-	μg/kg							
Dinitrophenol,2,4-	μg/kg			<350				<400
Dinitrotoluene,2,4-	μg/kg			<350				<400
Dinitrotoluene,2,6-	μg/kg			<350				<400
Diphenylamine	μg/kg							
Diphenylhydrazine,1,2-	μg/kg			<350				<400
Ethyl Methanesulfonate	μg/kg							
Fluoranthene	μg/kg			<350				<400
Fluorene	μg/kg			<350				<400
Hexachlorobenzene	μg/kg			<350				<400
Hexachlorobutadiene	μg/kg			<350				<400
Hexachlorocyclopentadiene	μg/kg			<350				<400
Hexachloroethane	μg/kg			<350				<400
Hexachloropropylene	μg/kg							
Indeno(1,2,3-cd)pyrene	μg/kg			<350				<400
Isophorone	μg/kg			<350				<400
Isosafrole	μg/kg							
Methapyrilene	μg/kg							



Page 196 of 248

								Page 190 01 248
	Location ID	SK-SB-213	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78
	Sample ID	1639722	1017989	1017990	1017990	1017991	1017992	1017993
	Sample Date	08/01/1997	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996
	Sample Time	14:15	14:35	14:40	14:40	14:45	14:50	14:55
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	AEL
	Lab. Number	25-1209-109	96-4599-553	AEL96010359	96-4600-554	96-4601-555	96-4602-556	AEL96010360
Constituent	Units							
Methyl Methanesulfonate	μg/kg	<u> </u>						
Methylcholanthrene,3-	μg/kg							
Methylnaphthalene,2-	μg/kg	1						
N-nitroso-di-n-butylamine	μg/kg							
N-nitroso-n-propylamine	μg/kg			<350				<400
N-nitrosodiethylamine	μg/kg							
N-nitrosodimethylamine	μg/kg			<350				<400
N-nitrosodiphenylamine	μg/kg			<350				<400
N-nitrosomethylethylamine	μg/kg							
N-nitrosomorpholine	μg/kg							
N-nitrosopiperidine	μg/kg							
Naphthalene	μg/kg			<350				<400
Naphthoquinone, 1,4-	μg/kg							
Naphthylamine, alpha-	μg/kg							
Naphthylamine,beta-	μg/kg							
Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,2-	μg/kg							
Nitroaniline,3-	μg/kg							
Nitroaniline,4-	μg/kg							
Nitrobenzene	μg/kg			<350				<400
Nitrophenol,2-	μg/kg			<350				<400
Nitrophenol,4-	μg/kg			<350				<400
Nitroquinoline-1-oxide,4-	μg/kg							
Nitrosopyrrolidine,n-	μg/kg							
Pentachlorophenol	μg/kg			<350				<400
Phenacetin	μg/kg							
Phenanthrene	μg/kg	1		⊲350				<400
Phenol	μg/kg			<350				<400
Notice 1 Described on 02/15/09		<u> </u>						

Notes: 1. Printed on 07/16/98

LEA

Table 3

DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 197 of 2
	Location ID	SK-SB-213	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78
	Sample ID	1639722	1017989	1017990	1017990	1017991	1017992	1017993
	Sample Date	08/01/1997	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996
	Sample Time	14:15	14:35	14:40	14:40	14:45	14:50	14:55
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	AEL
	Lab. Number	25-1209-109	96-4599-553	AEL96010359	96-4600-554	96-4601-555	96-4602-556	AEL96010360
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg							
Picoline,2-	μg/kg							
Pronamide	μg/kg				_			
Propane),2,2'-oxybis(1-chloro-	μg/kg							
Propane),2,2'-oxybis(2-chloro-	μg/kg			<350				<400
Pyrene	μg/kg			<350				<400
Pyridine	μg/kg							
Safrole	μg/kg							
Tetrachlorobenzene, 1, 2, 4, 5-	μg/kg							
Tetrachlorophenol,2,3,4,6-	μg/kg							
Toluidine,o-	μg/kg							
Trichlorobenzene,1,2,4-	μg/kg			<350				<400
Trichlorophenol,2,4,5-	μg/kg							
Trichlorophenol,2,4,6-	μg/kg			<350				<400
Triethyl Phosphorothioate,o,o,o-	μg/kg							
Acetone	μg/kg			<21				<26
Acrolein	μg/kg			<11				<13
Acrylonitrile	μg/kg			<11				<13
Allyl Chloride	μg/kg							
Benzene	μg/kg			<4.3				<5.2
Benzene (screening)	μg/kg	<8	<8 nc		<7	<7	<7	
Bromobenzene	μg/kg			<4.3				<5.2
Bromoform	μg/kg			<4.3				<5.2
Carbon Disulfide	μg/kg			<4.3				<5.2
Carbon Tetrachloride	μg/kg			<4.3				<5.2
Chlorobenzene	μg/kg			<4.3				<5.2
Chlorodibromomethane	μg/kg			<4.3				<5.2
Chloroethane	μg/kg			<4.3				<5.2

Page 198 of 248

								Page 198 of 2
	Location ID	SK-SB-213	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78
	Sample ID	1639722	1017989	1017990	1017990	1017991	1017992	1017993
	Sample Date	08/01/1997	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996
	Sample Time	14:15	14:35	14:40	14:40	14:45	14:50	14:55
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	AEL
	Lab. Number	25-1209-109	96-4599-553	AEL96010359	96-4600-554	96-4601-555	96-4602-556	AEL96010360
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg			<4.3				<5.2
Chloroform	μg/kg			<4.3				<5.2
Chloroprene, beta-	μg/kg							
Chlorotoluene,o-	μg/kg			<4.3				<5.2
Chlorotoluene,p-	μg/kg			<4.3				<5.2
Dibromomethane	μg/kg			<4.3				<5.2
Dichlorobenzene, 1,2-	μg/kg			<4.3				<5.2
Dichlorobenzene, 1,3-	μg/kg			<4.3				<5.2
Dichlorobenzene, 1,4-	μg/kg			<4.3				<5.2
Dichlorobromomethane	μg/kg			<4.3				<5.2
Dichlorodifluoromethane	μg/kg			<4.3				<5.2
Dichloroethane,1,1-	μg/kg			<4.3				<5.2
Dichloroethane,1,2-	μg/kg			<4.3				<5.2
Dichloroethylene, 1, 1-	μg/kg			<4.3				<5.2
Dichloroethylene, 1, 2-cis-	μg/kg			<4.3				<5.2
Dichloroethylene, 1,2-trans-	μg/kg			<4.3				<5.2
Dichloropropane, 1,2-	μg/kg			<4.3				<5.2
Dichloropropylene,1,3-	μg/kg							
Dichloropropylene, 1,3-cis-	μg/kg			<4.3				<5.2
Dichloropropylene, 1,3-trans-	μg/kg			<4.3				<5.2
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg			<4.3				<5.2
Ethylbenzene (screening)	μg/kg	<16	<17 nc		<16	<15	<16	
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg			<11				<13
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg							
Methyl Bromide	μg/kg			<4.3				<5.2

Page 199 of 248

		<del></del>						Page 199 of 24
	Location ID	SK-SB-213	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78
	Sample ID	1639722	1017989	1017990	1017990	1017991	1017992	1017993
	Sample Date	08/01/1997	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996
	Sample Time	14:15	14:35	14:40	14:40	14:45	14:50	14:55
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	AEL
	Lab. Number	25-1209-109	96-4599-553	AEL96010359	96-4600-554	96-4601-555	96-4602-556	AEL96010360
Constituent	Units							
Methyl Chloride	μg/kg			<4.3				<5.2
Methyl Ethyl Ketone	μg/kg			<11				<13
Methyl Methacrylate	μg/kg							
Methyl-2-pentanone,4-	μg/kg	1		<11				<13
Methyl-tert-butyl Ether	μg/kg			<4.3				<5.2
Methylene Chloride	μg/kg			<4.3				<10
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg							
Pentachloronitrobenzene	μg/kg							
Propionitrile	μg/kg	1						
Styrene	μg/kg			<4.3				<5.2
Tetrachloroethane, 1, 1, 1, 2-	μg/kg			<4.3				<5.2
Tetrachloroethane, 1, 1, 2, 2-	μg/kg			<4.3				<5.2
Tetrachloroethylene	μg/kg			<4.3				<5.2
Tetrachloroethylene (screening)	μg/kg	<21	<22 nc		<20	<19	<20	
Toluene	μg/kg			<4.3				<5.2
Toluene (screening)	μg/kg	<12	<12 nc		<11	<10	<11	
Trichloroethane, 1, 1, 1-	μg/kg			<4.3				<5.2
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<207	<219 nc		<199	<185	<199	
Trichloroethane, 1, 1, 2-	μg/kg			<4.3				<5.2
Trichloroethylene	μg/kg			<4.3				<5.2
Trichloroethylene (screening)	μg/kg	<20	<22 nc		<20	<18	<20	
Trichloromonofluoromethane	μg/kg			<4.3				<5.2
Trichloropropane, 1, 2, 3-	μg/kg			<4.3				<5.2
Vinyl Acetate	μg/kg			<4.3				<5.2
Vinyl Chloride	μg/kg			<4.3				<5.2
Xylene,o- (screening)	μg/kg	<22						
Xylenes (Total)	μg/kg			<4.3				<5.2



Page 200 of 248

								Page 200 of
	Location ID	SK-SB-213	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78
	Sample ID	1639722	1017989	1017990	1017990	1017991	1017992	1017993
	Sample Date	08/01/1997	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996
	Sample Time	14:15	14:35	14:40	14:40	14:45	14:50	14:55
	Sample Depth	14' - 16'	0' - 2'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	AEL
	Lab. Number	25-1209-109	96-4599-553	AEL96010359	96-4600-554	96-4601-555	96-4602-556	AEL96010360
Constituent	Units							
Kylenes,m- & p- (screening)	μg/kg	<11						
						******		
		· · · · · · · · · · · · · · · · · · ·			1			
		1						
		-						
					<del>-</del>			
		<del></del>			<del>                                     </del>			
							·	
							····	
		-						
		ļ				-		
					+			
		<u> </u>						
		1						

Notes: 1. Printed on 07/16/98

LEΔ

#### Table 3

#### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 201 of 243
	Location ID	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-79	SK-SB-79
	Sample ID	1017993	1017994	1017995	1017996	1017997	1018000	1018001
	Sample Date	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/13/1996	09/13/1996
	Sample Time	14:55	15:00	15:10	15:15	15:25	09:45	09:50
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	96-4603-557	96-4604-558	96-4605-559	96-4607-561	96-4608-562	96-4613-572	96-4614-573
Constituent	Units							
Date Metals Analyzed	•							
Date Organics Analyzed	•	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/16/1996	09/16/1996
Date Physical Analysed								
Date Semi-volatile Organics Analyzed	•							
Dinoseb	μg/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Acetylaminofluorene,2-	μg/kg							
Aramite	μg/kg							
Dibromo-3-chloropropane,1,2-	μg/kg							
Dimethoate	μg/kg							
Disulfoton	μg/kg							
Famphur	μg/kg							
Phorate	μg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Acenaphthene	μg/kg							
Acenaphthylene	μg/kg							
Acetophenone	μg/kg							
Aminobiphenyl,4-	μg/kg							
Aniline	μg/kg							
Jeton 1 Deveted on 07/14/09		<u> </u>						



Page 202 of 248

								Page 202 of 2
	Location ID	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-79	SK-SB-79
	Sample ID	1017993	1017994	1017995	1017996	1017997	1018000	1018001
	Sample Date	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/13/1996	09/13/1996
	Sample Time	14:55	15:00	15:10	15:15	15:25	09:45	09:50
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	96-4603-557	96-4604-558	96-4605-559	96-4607-561	96-4608-562	96-4613-572	96-4614-573
Constituent	Units							
Anthracene	μg/kg							
Benzidine	μg/kg							
Benzo[a]anthracene	μg/kg							
Benzo[a]pyrene	μg/kg							
Benzo[b]fluoranthene	μg/kg							
Benzo[ghi]perylene	μg/kg							
Benzo[k]fluoranthene	μg/kg							
Benzyl Alcohol	μg/kg							
Bis(2-chloroethoxy)methane	μg/kg							
Bis(2-chloroethyl) Ether	μg/kg							
Bis(2-ethylhexyl)phthalate	μg/kg							
Bromophenyl Phenyl Ether,4-	μg/kg							
Butyl Benzyl Phthalate	μg/kg							
Carbazole	μg/kg							
Chloro-m-cresol,p-	μg/kg							
Chloroaniline,4-	μg/kg							
Chloronaphthalene,2-	μg/kg							
Chlorophenol,2-	μg/kg		_					
Chlorophenyl Phenyl Ether,4-	μg/kg							
Chrysene	μg/kg							
Cresol,2-	μg/kg							
Cresol,3-	μg/kg							
Cresol,4-	μg/kg							
Di-n-butyl Phthalate	μg/kg							
Di-n-octyl Phthalate	μg/kg							
Dibenzo[a,h]anthracene	μg/kg							
Dibenzofuran	μg/kg							
Dichloro-2-butylene, 1,4-trans-	μg/kg			`				

Notes: 1. Printed on 07/16/98

 $\mathsf{LE}\Delta$ 

#### Table 3

#### **DRAFT**

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 203 of 248

								Page 203 of 2
	Location ID	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-79	SK-SB-79
	Sample ID	1017993	1017994	1017995	1017996	1017997	1018000	1018001
	Sample Date	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/13/1996	09/13/1996
	Sample Time	14:55	15:00	15:10	15:15	15:25	09:45	09:50
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	96-4603-557	96-4604-558	96-4605-559	96-4607-561	96-4608-562	96-4613-572	96-4614-573
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg							
Dichlorophenol,2,4-	μg/kg							
Diethyl Phthalate	μg/kg							
Dimethyl Phthalate	μg/kg							
Dimethylaminoazobenzene,4-	μg/kg							
Dimethylbenzidine,3,3'-	μg/kg				) ·			
Dimethylbenzo[a]anthracene,7,12-	μg/kg							
Dimethylphenethylamine,alpha,alpha-	μg/kg							
Dimethylphenol,2,4-	μg/kg							
Dinitro-o-cresol,4,6-	μg/kg							
Dinitrobenzene,1,3-	μg/kg							
Dinitrophenol,2,4-	μg/kg							
Dinitrotoluene,2,4-	μg/kg							
Dinitrotoluene,2,6-	μg/kg							
Diphenylamine	μg/kg							
Diphenylhydrazine,1,2-	μg/kg							
Ethyl Methanesulfonate	μg/kg							
Fluoranthene	μg/kg							
Fluorene	μg/kg							
Hexachlorobenzene	μg/kg							
Hexachlorobutadiene	μg/kg							
Hexachlorocyclopentadiene	μg/kg							
Hexachloroethane	μg/kg							
Hexachloropropylene	μg/kg							
Indeno(1,2,3-cd)pyrene	μg/kg							
Isophorone	μg/kg							
Isosafrole	μg/kg							
Methapyrilene	μg/kg							
670760								



Page 204 of 248

								Page 204 of 2
	Location ID	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-79	SK-SB-79
	Sample ID	1017993	1017994	1017995	1017996	1017997	1018000	1018001
	Sample Date	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/13/1996	09/13/1996
	Sample Time	14:55	15:00	15:10	15:15	15:25	09:45	09:50
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	96-4603-557	96-4604-558	96-4605-559	96-4607-561	96-4608-562	96-4613-572	96-4614-573
Constituent	Units							
Methyl Methanesulfonate	μg/kg							
Methylcholanthrene,3-	μg/kg							
Methylnaphthalene,2-	μg/kg							
N-nitroso-di-n-butylamine	μg/kg							
N-nitroso-n-propylamine	μg/kg							
N-nitrosodiethylamine	μg/kg							
N-nitrosodimethylamine	μg/kg							
N-nitrosodiphenylamine	μg/kg							
N-nitrosomethylethylamine	μg/kg							
N-nitrosomorpholine	μg/kg							
N-nitrosopiperidine	μg/kg							
Naphthalene	μg/kg							
Naphthoquinone, 1,4-	μg/kg							
Naphthylamine,alpha-	μg/kg							
Naphthylamine,beta-	μg/kg							
Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,2-	μg/kg							
Nitroaniline,3-	μg/kg							
Nitroaniline,4-	μg/kg							
Nitrobenzene	μg/kg							
Nitrophenol,2-	μg/kg							
Nitrophenol,4-	μg/kg							
Nitroquinoline-1-oxide,4-	μg/kg							
Nitrosopyrrolidine,n-	μg/kg							
Pentachlorophenol	μg/kg							
Phenacetin	μg/kg							
Phenanthrene	μg/kg							
Phenol	μg/kg							

Page 205 of 248

								Page 205 of 2
	Location ID	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-79	SK-SB-79
	Sample ID	1017993	1017994	1017995	1017996	1017997	1018000	1018001
	Sample Date	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/13/1996	09/13/1996
	Sample Time	14:55	15:00	15:10	15:15	15:25	09:45	09:50
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	96-4603-557	96-4604-558	96-4605-559	96-4607-561	96-4608-562	96-4613-572	96-4614-573
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg							
Picoline,2-	μg/kg							
Pronamide	μg/kg							
Propane),2,2'-oxybis(1-chloro-	μg/kg							
Propane),2,2'-oxybis(2-chloro-	μg/kg							
Pyrene	μg/kg							
Pyridine	μg/kg							
Safrole	μg/kg							
Tetrachlorobenzene,1,2,4,5-	μg/kg							
Tetrachlorophenol,2,3,4,6-	μg/kg							
Toluidine,o-	μg/kg							
Trichlorobenzene, 1, 2, 4-	μg/kg							
Trichlorophenol,2,4,5-	μg/kg							
Trichlorophenol,2,4,6-	μg/kg							
Triethyl Phosphorothioate,o,o,o-	μg/kg							
Acetone	μg/kg							
Acrolein	μg/kg							
Acrylonitrile	μg/kg							
Allyl Chloride	μg/kg							
Benzene	μg/kg							
Benzene (screening)	μg/kg	<8	<7	<7	<7	<8	<7	<7
Bromobenzene	μg/kg	<u> </u>						
Bromoform	μg/kg							
Carbon Disulfide	μg/kg							
Carbon Tetrachloride	μg/kg							
Chlorobenzene	μg/kg							
Chlorodibromomethane	μg/kg							
Chloroethane	μg/kg							



						<u> </u>		Page 206 of 248
	Location ID	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-79	SK-SB-79
	Sample ID	1017993	1017994	1017995	1017996	1017997	1018000	1018001
	Sample Date	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/13/1996	09/13/1996
	Sample Time	14:55	15:00	15:10	15:15	15:25	09:45	09:50
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	96-4603-557	96-4604-558	96-4605-559	96-4607-561	96-4608-562	96-4613-572	96-4614-573
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg	1						
Chloroform	μg/kg							
Chloroprene, beta-	μg/kg							
Chlorotoluene,o-	μg/kg							
Chlorotoluene,p-	μg/kg							
Dibromomethane	μg/kg					_		
Dichlorobenzene, 1,2-	μg/kg					_		
Dichlorobenzene, 1,3-	μg/kg							
Dichlorobenzene, 1,4-	μg/kg							
Dichlorobromomethane	μg/kg							
Dichlorodifluoromethane	μg/kg							
Dichloroethane, 1, 1-	μg/kg							
Dichloroethane, 1,2-	μg/kg							
Dichloroethylene, 1,1-	μg/kg							
Dichloroethylene, 1,2-cis-	μg/kg							
Dichloroethylene, 1,2-trans-	μg/kg							
Dichloropropane, 1,2-	μg/kg							
Dichloropropylene,1,3-	μg/kg							
Dichloropropylene,1,3-cis-	μg/kg							
Dichloropropylene,1,3-trans-	μg/kg							
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg							
Ethylbenzene (screening)	μg/kg	<16	<15	<16	<16	<16	<15	<16
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg							
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg							
Methyl Bromide	μg/kg	-		1				
N1 P1 07/16/00	170-15	1						

Notes: 1. Printed on 07/16/98

LΕΔ

								Page 207 of 24
	Location ID	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-79	SK-SB-79
	Sample ID	1017993	1017994	1017995	1017996	1017997	1018000	1018001
	Sample Date	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/13/1996	09/13/1996
	Sample Time	14:55	15:00	15:10	15:15	15:25	09:45	09:50
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	96-4603-557	96-4604-558	96-4605-559	96-4607-561	96-4608-562	96-4613-572	96-4614-573
Constituent	Units							
Methyl Chloride	μg/kg							
Methyl Ethyl Ketone	μg/kg							
Methyl Methacrylate	μg/kg					·		
Methyl-2-pentanone,4-	μg/kg							
Methyl-tert-butyl Ether	μg/kg							
Methylene Chloride	μg/kg							
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg							
Pentachloronitrobenzene	μg/kg							
Propionitrile	μg/kg							
Styrene	μg/kg							
Tetrachloroethane, 1, 1, 1, 2-	μg/kg							
Tetrachloroethane, 1, 1, 2, 2-	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	<21	<19	<20	<20	<21	<19	<20
Toluene	μg/kg							
Toluene (screening)	μg/kg	<12	<10	<11	<11	<12	<10	<11
Trichloroethane, 1, 1, 1-	μg/kg							
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<207	<185	<199	<195	<207	<185	<199
Trichloroethane, 1, 1, 2-	μg/kg							
Trichloroethylene	μg/kg							
Trichloroethylene (screening)	μg/kg	<20	<18	<20	<19	<20	<18	<20
Trichloromonofluoromethane	μg/kg							
Trichloropropane,1,2,3-	μg/kg							
Vinyl Acetate	μg/kg							
Vinyl Chloride	μg/kg							
Xylene,o- (screening)	μg/kg							
Xylenes (Total)	μg/kg							
otas:   Printed on 07/15/09								

Page 208 of 248

								Page 208 of 2
	Location ID	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-78	SK-SB-79	SK-SB-79
	Sample ID	1017993	1017994	1017995	1017996	1017997	1018000	1018001
	Sample Date	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/12/1996	09/13/1996	09/13/1996
	Sample Time	14:55	15:00	15:10	15:15	15:25	09:45	09:50
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	LEA
	Lab. Number	96-4603-557	96-4604-558	96-4605-559	96-4607-561	96-4608-562	96-4613-572	96-4614-573
Constituent	Units							
Kylenes,m- & p- (screening)	μg/kg							
					-			
		1						
							· · · · · · · · · · · · · · · · · · ·	
		<u> </u>						
							···-	_
		1						
								_
						<del></del>		
		<b>-</b>		-				
				·				

Notes: 1. Printed on 07/16/98

LEΔ

Page 209 of 248

							Page 209 of 248
Location ID	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79
Sample ID	1018002	1018002	1018003	1018004	1018005	1018005	1018006
Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
Sample Time	09:55	09:55	10:00	10:05	10:10	10:10	10:15
Sample Depth	4' - 6'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	8' - 10'	10' - 12'
Laboratory	AEL	LEA	LEA	LEA	AEL	LEA	LEA
Lab, Number	AEL96010414	96-4617-576	96-4618-577	96-4619-578	AEL96010415	96-4620-579	96-4621-580
Units							
-	09/24/1996				09/24/1996		
-	09/20/1996	09/16/1996	09/16/1996	09/16/1996	09/20/1996	09/16/1996	09/16/1996
-	09/30/1996				09/30/1996		
•	10/08/1996				10/09/1996		_
μg/kg							
mg/kg	<1.12				<1.15		
mg/kg	10.4				9.06		
mg/kg	<3.35				<3.44		
mg/kg	<5.58				<5.74		
mg/kg	<22.3				<22.9		
mg/kg	<0.223				<0.229		
mg/kg	<11.2				<11.5		
mg/kg	<1.12				<1.15		
mg/kg	<5.58				<5.74		
mg/kg	14.3				14.7		
μg/kg							
μg/kg							
μg/kg					_		
μg/kg							
μg/kg							
μg/kg							
μg/kg							
mg/kg	<37.1				<40.2		
μg/kg	<370				<400		
μg/kg	<370				<400		
μg/kg							
	Sample ID Sample Date Sample Time Sample Depth Laboratory Lab. Number Units	Sample ID 1018002 Sample Date 09/13/1996 Sample Time 09:55 Sample Depth 4'-6' Laboratory AEL Lab. Number AEL96010414 Units - 09/24/1996 - 09/20/1996 - 09/30/1996 - 10/08/1996 - 10/08/1996 - μg/kg mg/kg 10.4 mg/kg <3.35 mg/kg <5.58 mg/kg <5.58 mg/kg <22.3 mg/kg <1.12 mg/kg <11.2 mg/kg <11.2 mg/kg <1.12 mg/kg <1.13 mg/kg <1.14 mg/kg <3.35 mg/kg <22.3 mg/kg <1.15 mg/kg <1.10 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/kg <1.11 mg/	Sample ID 1018002 1018002 Sample Date 09/13/1996 09/13/1996 Sample Time 09:55 09:55 Sample Depth 4'-6' 4'-6' Laboratory AEL LEA Lab. Number AEL96010414 96-4617-576 Units - 09/24/1996 - 09/16/1996 - 09/30/1996 - 10/08/1996 - 10/08/1996 - 10/08/1996 - 10/08/1996 - mg/kg	Sample ID 1018002 1018002 1018003  Sample Date 09/13/1996 09/13/1996 09/13/1996  Sample Time 09:55 09:55 10:00  Sample Depth 4' - 6' 4' - 6' 6' - 8'  Laboratory AEL LEA LEA  Lab. Number AEL96010414 96-4617-576 96-4618-577  Units	Sample ID   1018002   1018002   1018003   1018004	Sample ID         1018002         1018003         1018004         1018005           Sample Date         09/13/1996         09/13/1996         09/13/1996         09/13/1996         09/13/1996         09/13/1996         09/13/1996         09/13/1996         09/13/1996         09/13/1996         09/13/1996         09/13/1996         09/13/1996         09/13/1996         10:10         0         10:10         0         0         10:10         0         0         10:10         0         0         10:10         0         0         10:10         0         0         10:10         0         0         0         10:10         0         0         10:10         0	Sample ID 1018002 1018002 1018003 1018004 1018005 1018005 Sample Date 09/13/1996 09/13/1

Page 210 of 248

								Page 210 of 248
	Location ID	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79
	Sample ID	1018002	1018002	1018003	1018004	1018005	1018005	1018006
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	09:55	09:55	10:00	10:05	10:10	10:10	10:15
	Sample Depth	4' - 6'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	8' - 10'	10' - 12'
	Laboratory	AEL	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	AEL96010414	96-4617-576	96-4618-577	96-4619-578	AEL96010415	96-4620-579	96-4621-580
Constituent	Units							
Anthracene	μg/kg	<370				<400		
Benzidine	μg/kg	<370				<400		
Benzo[a]anthracene	μg/kg	<370				<400		
Benzo[a]pyrene	μg/kg	<370				<400		
Benzo[b]fluoranthene	μg/kg	<370				<400		
Benzo[ghi]perylene	μg/kg	<370				<400		
Benzo[k]fluoranthene	μg/kg	<370				<400		
Benzyl Alcohol	μg/kg							
Bis(2-chloroethoxy)methane	μg/kg	<370				<400		
Bis(2-chloroethyl) Ether	μg/kg	<370				<400		
Bis(2-ethylhexyl)phthalate	μg/kg	<370				<400		
Bromophenyl Phenyl Ether,4-	μg/kg	<370				<400		
Butyl Benzyl Phthalate	μg/kg	<370				<400		
Carbazole	μg/kg			•				
Chloro-m-cresol,p-	μg/kg							
Chloroaniline,4-	μg/kg							
Chloronaphthalene,2-	μg/kg	<370				<400		
Chlorophenol,2-	μg/kg	<370				<400		
Chlorophenyl Phenyl Ether,4-	μg/kg	<370				<400		
Chrysene	μg/kg	<370				<400		
Cresol,2-	μg/kg							
Cresol,3-	μg/kg							
Cresol,4-	μg/kg							
Di-n-butyl Phthalate	μg/kg	<370				<400		
Di-n-octyl Phthalate	μg/kg	<370				<400		
Dibenzo[a,h]anthracene	μg/kg	<370				<400		
Dibenzofuran	μg/kg							
Dichloro-2-butylene, 1,4-trans-	μg/kg	1						



Page 211 of 248

								Page 211 of 248
	Location ID	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79
	Sample ID	1018002	1018002	1018003	1018004	1018005	1018005	1018006
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	09:55	09:55	10:00	10:05	10:10	10:10	10:15
	Sample Depth	4' - 6'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	8' - 10'	10' - 12'
	Laboratory	AEL	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	AEL96010414	96-4617-576	96-4618-577	96-4619-578	AEL96010415	96-4620-579	96-4621-580
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg	<370				<400		
Dichlorophenol,2,4-	μg/kg	<370				<400		
Diethyl Phthalate	μg/kg	<370				<400		
Dimethyl Phthalate	μg/kg	<370			i i	<400		
Dimethylaminoazobenzene,4-	μg/kg							
Dimethylbenzidine,3,3'-	μg/kg							
Dimethylbenzo[a]anthracene,7,12-	μg/kg							
Dimethylphenethylamine,alpha,alpha-	μg/kg							
Dimethylphenol,2,4-	μg/kg	<370				<400		
Dinitro-o-cresol,4,6-	μg/kg	<370				<400		
Dinitrobenzene,1,3-	μg/kg							
Dinitrophenol,2,4-	μg/kg	<370				<400		
Dinitrotoluene,2,4-	μg/kg	<370				<400		
Dinitrotoluene,2,6-	μg/kg	<370				<400		
Diphenylamine	μg/kg							
Diphenylhydrazine, 1,2-	μg/kg	<370				<400		
Ethyl Methanesulfonate	μg/kg							
Fluoranthene	μg/kg	<370				<400		
Fluorene	μg/kg	<370		1		<400		
Hexachlorobenzene	μg/kg	<370			l	<400		
Hexachlorobutadiene	μg/kg	<370				<400		
Hexachlorocyclopentadiene	μg/kg	<370				<400		
Hexachloroethane	μg/kg	<370				<400		
Hexachloropropylene	μg/kg							
Indeno(1,2,3-cd)pyrene	μg/kg	<370				<400		
Isophorone	μg/kg	<370				<400		
Isosafrole	μg/kg							
Methapyrilene	μg/kg			*				

Page 212 of 248

						<u></u>		Page 212 of 2
	Location ID	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79
	Sample ID	1018002	1018002	1018003	1018004	1018005	1018005	1018006
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	09:55	09:55	10:00	10:05	10:10	10:10	10:15
	Sample Depth	4' - 6'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	8' - 10'	10' - 12'
	Laboratory	AEL	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	AEL96010414	96-4617-576	96-4618-577	96-4619-578	AEL96010415	96-4620-579	96-4621-580
Constituent	Units							
Methyl Methanesulfonate	μg/kg							
Methylcholanthrene,3-	μg/kg							
Methylnaphthalene,2-	μg/kg							
N-nitroso-di-n-butylamine	μg/kg							
N-nitroso-n-propylamine	μg/kg	<370				<400		
N-nitrosodiethylamine	μg/kg							
N-nitrosodimethylamine	μg/kg	<370				<400		
N-nitrosodiphenylamine	μg/kg	<370				<400		
N-nitrosomethylethylamine	μg/kg							
N-nitrosomorpholine	μg/kg							
N-nitrosopiperidine	μg/kg							
Naphthalene	μg/kg	<370				<400		
Naphthoquinone, 1, 4-	μg/kg							
Naphthylamine,alpha-	μg/kg							
Naphthylamine,beta-	μg/kg							
Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,2-	μg/kg							
Nitroaniline,3-	μg/kg							
Nitroaniline,4-	μg/kg							
Nitrobenzene	μg/kg	<370				<400		
Nitrophenol,2-	μg/kg	<370				<400		
Nitrophenol,4-	μg/kg	<370				<400		
Nitroquinoline-1-oxide,4-	μg/kg							
Nitrosopyrrolidine,n-	μg/kg							
Pentachlorophenol	μg/kg	<370				<400		
Phenacetin	μg/kg							
Phenanthrene	μg/kg	<370				<400		
Phenol	μg/kg	<370				<400		

Notes: 1. Printed on 07/16/98

LEΔ

			<del></del>					Page 213 of 24
	Location ID	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79
	Sample ID	1018002	1018002	1018003	1018004	1018005	1018005	1018006
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	09:55	09:55	10:00	10:05	10:10	10:10	10:15
	Sample Depth	4' - 6'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	8' - 10'	10' - 12'
	Laboratory	AEL	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	AEL96010414	96-4617-576	96-4618-577	96-4619-578	AEL96010415	96-4620-579	96-4621-580
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg							
Picoline,2-	μg/kg							
Pronamide	μg/kg							
Propane),2,2'-oxybis(1-chloro-	μg/kg							
Propane),2,2'-oxybis(2-chloro-	μg/kg	<370				<400		
Pyrene	μg/kg	<370				<400		
Pyridine	μg/kg							
Safrole	μg/kg							
Tetrachlorobenzene, 1, 2, 4, 5-	μg/kg							
Tetrachlorophenol,2,3,4,6-	μg/kg	!						
Toluidine,o-	μg/kg							
Trichlorobenzene,1,2,4-	μg/kg	<370				<400		
Trichlorophenol,2,4,5-	μg/kg							
Trichlorophenol,2,4,6-	μg/kg	<370				<400		
Triethyl Phosphorothioate,o,o,o-	μg/kg							
Acetone	μg/kg	<27				<27		
Acrolein	μg/kg	<14				<14		
Acrylonitrile	μg/kg	<14				<14		
Allyl Chloride	μg/kg							
Benzene	μg/kg	<5.5				<5.5		
Benzene (screening)	μg/kg		<8	<7	<7		<8 nc	<7
Bromobenzene	μg/kg	<5.5				<5.5		
Bromoform	μg/kg	<5.5				<5.5		
Carbon Disulfide	μg/kg	<5.5				<5.5		
Carbon Tetrachloride	μg/kg	<5.5				<5.5		
Chlorobenzene	μg/kg	<5.5				<5.5		
Chlorodibromomethane	μg/kg	<5.5				<5.5		
Chloroethane	μg/kg	<5.5				<5.5		



Page 214 of 248

								Page 214 of 2
	Location ID	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79
	Sample ID	1018002	1018002	1018003	1018004	1018005	1018005	1018006
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	09:55	09:55	10:00	10:05	10:10	10:10	10:15
	Sample Depth	4' - 6'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	8' - 10'	10' - 12'
	Laboratory	AEL	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	AEL96010414	96-4617-576	96-4618-577	96-4619-578	AEL96010415	96-4620-579	96-4621-580
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg	<5.5				<5.5		
Chloroform	μg/kg	<5.5				<5.5		
Chloroprene,beta-	μg/kg							
Chlorotoluene,o-	μg/kg	<5.5	"			<5.5		
Chlorotoluene,p-	μg/kg	<5.5				<5.5		
Dibromomethane	μg/kg	<5.5				<5.5		
Dichlorobenzene,1,2-	μg/kg	<5.5				<5.5		
Dichlorobenzene,1,3-	μg/kg	<5.5				<5.5		
Dichlorobenzene, 1,4-	μg/kg	<5.5				<5.5		
Dichlorobromomethane	μg/kg	<5.5				<5.5		
Dichlorodifluoromethane	μg/kg	<5.5				<5.5		
Dichloroethane, 1, 1-	μg/kg	<5.5				<5.5		
Dichloroethane, 1,2-	μg/kg	<5.5				<5.5		
Dichloroethylene, 1,1-	μg/kg	<5.5				<5.5		
Dichloroethylene, 1, 2-cis-	μg/kg	<5.5				<5.5		
Dichloroethylene, 1,2-trans-	μg/kg	<5.5				<5.5		
Dichloropropane,1,2-	μg/kg	<5.5				<5.5		
Dichloropropylene,1,3-	μg/kg							
Dichloropropylene,1,3-cis-	μg/kg	<5.5				<5.5		
Dichloropropylene,1,3-trans-	μg/kg	<5.5				<5.5		
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg	<5.5				<5.5		
Ethylbenzene (screening)	μg/kg		<17	<15	<15		<17 nc	<16
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg	<14				<14		
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg			,				
Methyl Bromide	μg/kg	<5.5				<5.5		

Notes: 1. Printed on 07/16/98

LΕΔ

DRAFT

### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

		· · · · · · · · · · · · · · · · · · ·						Page 215 of 2
	Location ID	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79
	Sample ID	1018002	1018002	1018003	1018004	1018005	1018005	1018006
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	09:55	09:55	10:00	10:05	10:10	10:10	10:15
	Sample Depth	4' - 6'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	8' - 10'	10' - 12'
	Laboratory	AEL	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	AEL96010414	96-4617-576	96-4618-577	96-4619-578	AEL96010415	96-4620-579	96-4621-580
Constituent	Units							
Methyl Chloride	μg/kg	<5.5				<5.5		
Methyl Ethyl Ketone	μg/kg	<14				<14		
Methyl Methacrylate	μg/kg							
Methyl-2-pentanone,4-	μg/kg	<14				<14		
Methyl-tert-butyl Ether	μg/kg	<5.5				<5.5		
Methylene Chloride	μg/kg	<5.5				<9.5		
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg							
Pentachloronitrobenzene	μg/kg							
Propionitrile	μg/kg							
Styrene	μg/kg	<5.5				<5.5		
Tetrachloroethane, 1, 1, 1, 2-	μg/kg	<5.5				<5.5		
Tetrachloroethane, 1, 1, 2, 2-	μg/kg	<5.5				<5.5		
Tetrachloroethylene	μg/kg	<5.5				<5.5		
Tetrachloroethylene (screening)	μg/kg		6 J	<19	<19		<22 nc	<20
Toluene	μg/kg	<5.5				<5.5		
Toluene (screening)	μg/kg		<12	<11	<11		<12 nc	<11
Trichloroethane, 1, 1, 1-	μg/kg	<5.5				<5.5		
Trichloroethane, 1, 1, 1- (screening)	μg/kg		<211	<192	<192		<219 nc	<199
Trichloroethane, 1, 1, 2-	μ <b>g</b> /kg	<5.5				<5.5		
Trichloroethylene	μg/kg	<5.5				<5.5		
Trichloroethylene (screening)	μg/kg		<21	<19	<19		<22 nc	<20
Trichloromonofluoromethane	μg/kg	<5.5				<5.5		
Trichloropropane,1,2,3-	μg/kg	<5.5				<5.5		
Vinyl Acetate	μg/kg	<5.5				<5.5		
Vinyl Chloride	μg/kg	<5.5				<5.5		
Xylene,o- (screening)	μg/kg							
Xylenes (Total)	μg/kg	<5.5				<5.5		

Page 216 of 248

								Page 216 of 24
	Location ID	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79	SK-SB-79
	Sample ID	1018002	1018002	1018003	1018004	1018005	1018005	1018006
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	09:55	09:55	10:00	10:05	10:10	10:10	10:15
	Sample Depth	4' - 6'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	8' - 10'	10' - 12'
	Laboratory	AEL	LEA	LEA	LEA	AEL	LEA	LEA
	Lab. Number	AEL96010414	96-4617-576	96-4618-577	96-4619-578	AEL96010415	96-4620-579	96-4621-580
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg							
	***							
						1		
					<del></del>			
		<u> </u>	···	<del></del>				
			·					
			<u> </u>					
	<del>-</del>	<del></del>	<del> </del>					<del></del>
			<del>                                     </del>					
		<u> </u>	<del></del>		<del></del>			
			<del></del>					
			<del> </del>					
		<del> </del>						
			<b></b>		_			
			<u> </u>					
				,				
lotes: 1 Printed on 07/12/09								



								Page 217 of 24
	Location ID	SK-SB-79	SK-SB-79	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80
	Sample ID	1018007	1018008	1018009	1018009	1018010	1018011	1018012
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	10:20	10:25	12:50	12:50	13:00	13:15	13:25
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	96-4622-581	96-4623-582	AEL96010416	96-4624-583	96-4625-584	96-4626-585	96-4627-586
Constituent	Units							
Date Metals Analyzed	-			09/24/1996				
Date Organics Analyzed	-	09/16/1996	09/16/1996	09/20/1996	09/16/1996	09/16/1996	09/16/1996	09/16/1996
Date Physical Analysed	-			09/30/1996				
Date Semi-volatile Organics Analyzed	-			10/10/1996				
Dinoseb	μg/kg							
Arsenic	mg/kg			2.38				
Barium	mg/kg			35.5				
Cadmium	mg/kg			<3.22				
Chromium	mg/kg			10.3				
Lead	mg/kg			<21.5				
Mercury	mg/kg			<0.215				
Nickel	mg/kg			<10.7				
Selenium	mg/kg			<1.07				
Silver	mg/kg			<5.37				
Zinc	mg/kg			36.2				
Acetylaminofluorene,2-	μg/kg							
Aramite	μg/kg							
Dibromo-3-chloropropane,1,2-	μg/kg							
Dimethoate	μg/kg							
Disulfoton	μg/kg							
Famphur	μg/kg							
Phorate	μg/kg							
Total Petroleum Hydrocarbons	mg/kg			159				
Acenaphthene	μg/kg			⊲360				
Acenaphthylene	μg/kg			<360 N1				
Acetophenone	μg/kg							
Aminobiphenyl,4-	μg/kg							
Aniline	μg/kg	1						<del>-                                     </del>



### Table 3 DRAFT SUMMARY OF ANALYTICAL RESULTS - SOIL

### P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 218 of 248

								Page 218 of 24
	Location ID	SK-SB-79	SK-SB-79	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80
	Sample ID	1018007	1018008	1018009	1018009	1018010	1018011	1018012
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	10:20	10:25	12:50	12:50	13:00	13:15	13:25
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab, Number	96-4622-581	96-4623-582	AEL96010416	96-4624-583	96-4625-584	96-4626-585	96-4627-586
Constituent	Units							
Anthracene	μg/kg			<360 N1				
Benzidine	μg/kg			<360				
Benzo[a]anthracene	μg/kg			620				
Benzo[a]pyrene	μg/kg	ļ.		500				
Benzo[b]fluoranthene	μg/kg			540				
Benzo[ghi]perylene	μg/kg			<360 N1				
Benzo[k]fluoranthene	μg/kg			430				
Benzyl Alcohol	μg/kg							
Bis(2-chloroethoxy)methane	μg/kg			<360				
Bis(2-chloroethyl) Ether	μg/kg			<360				
Bis(2-ethylhexyl)phthalate	μg/kg			<360				
Bromophenyl Phenyl Ether,4-	μg/kg			<360				
Butyl Benzyl Phthalate	μg/kg			<360				
Carbazole	μg/kg							
Chloro-m-cresol,p-	μg/kg							
Chloroaniline,4-	μg/kg	1						
Chloronaphthalene,2-	μg/kg			<360				
Chlorophenol,2-	μg/kg			<360				
Chlorophenyl Phenyl Ether,4-	μg/kg			<360				
Chrysene	μg/kg			580				
Cresol,2-	μg/kg							
Cresol,3-	μg/kg							
Cresol,4-	μg/kg							
Di-n-butyl Phthalate	μg/kg		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<360				
Di-n-octyl Phthalate	μg/kg			⊲360	<u> </u>			
Dibenzo[a,h]anthracene	μg/kg			<360 N1				
Dibenzofuran	μg/kg	1						
Dichloro-2-butylene, 1,4-trans-	μg/kg	<del> </del>						



#### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 219 of 248

								Page 219 of 2
	Location ID	SK-SB-79	SK-SB-79	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80
	Sample ID	1018007	1018008	1018009	1018009	1018010	1018011	1018012
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	10:20	10:25	12:50	12:50	13:00	13:15	13:25
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	96-4622-581	96-4623-582	AEL96010416	96-4624-583	96-4625-584	96-4626-585	96-4627-586
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg			<360				
Dichlorophenol,2,4-	μg/kg			<360				
Diethyl Phthalate	μg/kg			<360				
Dimethyl Phthalate	μg/kg			<360				
Dimethylaminoazobenzene,4-	μg/kg							
Dimethylbenzidine,3,3'-	μg/kg							
Dimethylbenzo[a]anthracene,7,12-	μg/kg							
Dimethylphenethylamine,alpha,alpha-	μg/kg							
Dimethylphenol,2,4-	μg/kg			<360				
Dinitro-o-cresol,4,6-	μg/kg			<360				
Dinitrobenzene, 1,3-	μg/kg							
Dinitrophenol,2,4-	μg/kg			<360				
Dinitrotoluene,2,4-	μg/kg			<360				
Dinitrotoluene,2,6-	μg/kg			<360				
Diphenylamine	μg/kg							
Diphenylhydrazine,1,2-	μg/kg			<360				
Ethyl Methanesulfonate	μg/kg							
Fluoranthene	μg/kg			1300				
Fluorene	μg/kg			<360 N1				
Hexachlorobenzene	μg/kg			<360				
Hexachlorobutadiene	μg/kg			<360				
Hexachlorocyclopentadiene	μg/kg			<360				
Hexachloroethane	μg/kg			<360				
Hexachloropropylene	μg/kg							
Indeno(1,2,3-cd)pyrene	μg/kg			<360 N1				
Isophorone	μg/kg			<360				
Isosafrole	μg/kg							
Methapyrilene	μg/kg							

Page 220 of 248

								Fage 220 01 2
	Location ID	SK-SB-79	SK-SB-79	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80
	Sample ID	1018007	1018008	1018009	1018009	1018010	1018011	1018012
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	10:20	10:25	12:50	12:50	13:00	13:15	13:25
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab, Number	96-4622-581	96-4623-582	AEL96010416	96-4624-583	96-4625-584	96-4626-585	96-4627-586
Constituent	Units							
Methyl Methanesulfonate	μg/kg			·				
Methylcholanthrene,3-	μg/kg							
Methylnaphthalene,2-	μg/kg							
N-nitroso-di-n-butylamine	μg/kg							
N-nitroso-n-propylamine	μg/kg			<360				
N-nitrosodiethylamine	μg/kg							
N-nitrosodimethylamine	μg/kg			<360	·			
N-nitrosodiphenylamine	μg/kg			<360				
N-nitrosomethylethylamine	μg/kg							
N-nitrosomorpholine	μg/kg							
N-nitrosopiperidine	μg/kg							
Naphthalene	μg/kg			<360				
Naphthoquinone,1,4-	μg/kg							
Naphthylamine,alpha-	μg/kg							
Naphthylamine,beta-	μg/kg					·		
Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,2-	μg/kg							
Nitroaniline,3-	μg/kg							
Nitroaniline,4-	μg/kg							
Nitrobenzene	μg/kg			<360				
Nitrophenol,2-	μg/kg			<360				
Nitrophenol,4-	μg/kg			<360				
Nitroquinoline-1-oxide,4-	μg/kg							
Nitrosopyrrolidine,n-	μg/kg							
Pentachlorophenol	μg/kg			<360				
Phenacetin	μg/kg							
Phenanthrene	μg/kg			670				
Phenol	μg/kg			<360				

Page 221 of 248

								Page 221 of 2
	Location ID	SK-SB-79	SK-SB-79	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80
	Sample ID	1018007	1018008	1018009	1018009	1018010	1018011	1018012
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	10:20	10:25	12:50	12:50	13:00	13:15	13:25
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	96-4622-581	96-4623-582	AEL96010416	96-4624-583	96-4625-584	96-4626-585	96-4627-586
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg							
Picoline,2-	μg/kg							
Pronamide	μg/kg							
Propane),2,2'-oxybis(1-chloro-	μg/kg				1			
Propane),2,2'-oxybis(2-chloro-	μg/kg			<360				
Pyrene	μg/kg			1200				
Pyridine	μg/kg							
Safrole	μg/kg							
Tetrachlorobenzene, 1, 2, 4, 5-	μg/kg							
Tetrachlorophenol,2,3,4,6-	μg/kg							
Toluidine,o-	μg/kg							
Trichlorobenzene, 1,2,4-	μg/kg			<360				
Trichlorophenol,2,4,5-	μg/kg							
Trichlorophenol,2,4,6-	μg/kg			<360				
Triethyl Phosphorothioate,o,o,o-	μg/kg							
Acetone	μg/kg			<25				
Acrolein	μg/kg			<12				
Acrylonitrile	μg/kg			<12				
Allyl Chloride	μg/kg							
Benzene	μg/kg			<5.0				
Benzene (screening)	μg/kg	<8 nc	<8		<7	<7	<8 nc	<8 nc
Bromobenzene	μg/kg			<5.0				
Bromoform	μg/kg			<5.0				
Carbon Disulfide	μg/kg			<5.0				
Carbon Tetrachloride	μg/kg			<5.0				
Chlorobenzene	μg/kg			<5.0				
Chlorodibromomethane	μg/kg			<5.0				
Chloroethane	μg/kg			<5.0				



#### DRAFT

#### Table 3 SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 222 of 24
	Location ID	SK-SB-79	SK-SB-79	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80
	Sample ID	1018007	1018008	1018009	1018009	1018010	1018011	1018012
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	10:20	10:25	12:50	12:50	13:00	13:15	13:25
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	96-4622-581	96-4623-582	AEL96010416	96-4624-583	96-4625-584	96-4626-585	96-4627-586
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg			<5.0				
Chloroform	μg/kg			<5.0				
Chloroprene,beta-	μg/kg							
Chlorotoluene,o-	μg/kg			<5.0				
Chlorotoluene,p-	μg/kg			<5.0				
Dibromomethane	μg/kg			<5.0				
Dichlorobenzene,1,2-	μg/kg			<5.0				
Dichlorobenzene,1,3-	μg/kg			<5.0				
Dichlorobenzene,1,4-	μg/kg			<5.0				
Dichlorobromomethane	μg/kg			<5.0				
Dichlorodifluoromethane	μg/kg			<5.0	l			
Dichloroethane, 1, 1-	μg/kg			<5.0				
Dichloroethane, 1,2-	μg/kg			<5.0				
Dichloroethylene,1,1-	μg/kg		:	<5.0				
Dichloroethylene,1,2-cis-	μg/kg			<5.0				
Dichloroethylene,1,2-trans-	μg/kg			<5.0	,			
Dichloropropane,1,2-	μg/kg			<5.0				
Dichloropropylene,1,3-	μg/kg							
Dichloropropylene, 1,3-cis-	μg/kg			<5.0				
Dichloropropylene, 1,3-trans-	μg/kg			<5.0				
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg			<5.0				
Ethylbenzene (screening)	μg/kg	<17 nc	<16		<16	<16	<17 nc	<17 nc
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg			<12				
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg							
Methyl Bromide	μg/kg			<5.0				



#### Table 3 **DRAFT**

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 223 of 24
	Location ID	SK-SB-79	SK-SB-79	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80
	Sample ID	1018007	1018008	1018009	1018009	1018010	1018011	1018012
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	10:20	10:25	12:50	12:50	13:00	13:15	13:25
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	96-4622-581	96-4623-582	AEL96010416	96-4624-583	96-4625-584	96-4626-585	96-4627-586
Constituent	Units							
Methyl Chloride	μg/kg			<5.0				
Methyl Ethyl Ketone	μg/kg			<12				
Methyl Methacrylate	μg/kg							
Methyl-2-pontanone,4-	μg/kg	l		<12				
Methyl-tert-butyl Ether	μg/kg			<5.0				
Methylene Chloride	μg/kg			<11				
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg							
Pentachloronitrobenzene	μg/kg							
Propionitrile	μg/kg							
Styrene	μg/kg			<5.0				
Tetrachloroethane,1,1,1,2-	μg/kg	_		<5.0				
Tetrachloroethane, 1, 1, 2, 2-	μg/kg			<5.0				
Tetrachloroethylene	μg/kg			<5.0				
Tetrachloroethylene (screening)	μg/kg	<22 nc	<21		8 J	<20	<22 nc	8 J nc
Toluene	μg/kg			<5.0				
Toluene (screening)	μg/kg	<12 nc	<12		<11	<11	<12 nc	<12 nc
Trichloroethane, 1, 1, 1-	μg/kg			<5.0				
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<219 nc	<207		<199	<195	<219 nc	<219 nc
Trichloroethane, 1, 1, 2-	μg/kg			<5.0				
Trichloroethylene	μg/kg			<5.0				
Trichloroethylene (screening)	μg/kg	<22 nc	<20		<20	<19	<22 nc	<22 nc
Trichloromonofluoromethane	μg/kg			<5.0				
Trichloropropane, 1,2,3-	μg/kg			<5.0				
Vinyl Acetate	μg/kg			<5.0				
Vinyl Chloride	μg/kg			<5.0				
Xylene,o- (screening)	μg/kg							
Xylenes (Total)	μg/kg			<5.0				



Page 224 of 248

								Page 224 of
	Location ID	SK-SB-79	SK-SB-79	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80
	Sample ID	1018007	1018008	1018009	1018009	1018010	1018011	1018012
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	10:20	10:25	12:50	12:50	13:00	13:15	13:25
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	96-4622-581	96-4623-582	AEL96010416	96-4624-583	96-4625-584	96-4626-585	96-4627-586
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg							
V								
							<del></del>	
	-	1						

#### DRAFT

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Table 3

								Page 225 of 2
	Location ID	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-81	SK-SB-81
	Sample ID	1018013	1018013	1018014	1018015	1018016	1018017	1018018
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	13:30	13:30	13:35	13:40	13:45	14:00	14:10
	Sample Depth	8' - 10'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	AEL	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	AEL96010417	96-4627-587	96-4628-588	96-4629-589	96-4630-590	96-4631-591	AEL96010418
Constituent	Units							
Date Metals Analyzed		09/24/1996			:			09/24/1996
Date Organics Analyzed		09/20/1996	09/16/1996	09/16/1996	09/16/1996	09/16/1996	09/16/1996	09/20/1996
Date Physical Analysed	•	10/07/1996						10/07/1996
Date Semi-volatile Organics Analyzed	•	10/10/1996						10/10/1996
Dinoseb	μg/kg							
Arsenic	mg/kg	<1.23						1.43
Barium	mg/kg	11.7						15.2
Cadmium	mg/kg	<3.69						<3.16
Chromium	mg/kg	7.01						8.11
Lead	mg/kg	<24.6						<21.1
Mercury	mg/kg	<0.246						<0.211
Nickel	mg/kg	<12.3						<10.5
Selenium	mg/kg	<1.23						<1.05
Silver	mg/kg	<6.15						<5.27
Zinc	mg/kg	18.4						24.8
Acetylaminofluorene,2-	μg/kg							
Aramite	μg/kg							
Dibromo-3-chloropropane,1,2-	μg/kg							
Dimethoate	μg/kg							
Disulfoton	μg/kg							
Famphur	μg/kg							
Phorate	μg/kg							
Total Petroleum Hydrocarbons	mg/kg	<41.6						<36.1
Acenaphthene	μg/kg	<420						<360
Acenaphthylene	μg/kg	<420						<360
Acetophenone	μg/kg							
Aminobiphenyl,4-	μg/kg							
Aniline	μg/kg							

Page 226 of 248

								Page 220 01 248
	Location ID	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-81	SK-SB-81
	Sample ID	1018013	1018013	1018014	1018015	1018016	1018017	1018018
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	13:30	13:30	13:35	13:40	13:45	14:00	14:10
	Sample Depth	8' - 10'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	AEL	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	AEL96010417	96-4627-587	96-4628-588	96-4629-589	96-4630-590	96-4631-591	AEL96010418
Constituent	Units							
Anthracene	μg/kg	<420						<360
Benzidine	μg/kg	<420						<360
Benzo[a]anthracene	μg/kg	<420				,		<360
Benzo[a]pyrene	μg/kg	<420						<360
Benzo[b]fluoranthene	μg/kg	<420						<360
Benzo[ghi]perylene	μg/kg	<420						<360
Benzo[k]fluoranthene	μg/kg	<420						<360
Benzyl Alcohol	μg/kg							
Bis(2-chloroethoxy)methane	μg/kg	<420						<360
Bis(2-chloroethyl) Ether	μg/kg	<420						<360
Bis(2-ethylhexyl)phthalate	μg/kg	<420						<360
Bromophenyl Phenyl Ether,4-	μg/kg	<420						<360
Butyl Benzyl Phthalate	μg/kg	<420						<360
Carbazole	μg/kg							
Chloro-m-cresol,p-	μg/kg							
Chloroaniline,4-	μg/kg							
Chloronaphthalene,2-	μg/kg	<420						<360
Chlorophenol,2-	μg/kg	<420						<360
Chlorophenyl Phenyl Ether,4-	μg/kg	<420						<360
Chrysene	μg/kg	<420						<360
Cresol,2-	μg/kg							
Cresol,3-	μg/kg							
Cresol,4-	μg/kg							
Di-n-butyl Phthalate	μg/kg	<420						<730
Di-n-octyl Phthalate	μg/kg	<420						<360
Dibenzo[a,h]anthracene	μg/kg	<420						<360
Dibenzofuran	μg/kg							
Dichloro-2-butylene, 1,4-trans-	μg/kg							

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

DRAFT

	Location ID	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-81	SK-SB-81
	Sample ID	1018013	1018013	1018014	1018015	1018016	1018017	1018018
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	13:30	13:30	13:35	13:40	13:45	14:00	14:10
	Sample Depth	8' - 10'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	AEL	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	AEL96010417	96-4627-587	96-4628-588	96-4629-589	96-4630-590	96-4631-591	AEL96010418
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg	<420						<360
Dichlorophenol,2,4-	μg/kg	<420						<360
Diethyl Phthalate	μg/kg	<420						<360
Dimethyl Phthalate	μg/kg	<420						<360
Dimethylaminoazobenzene,4-	μg/kg							
Dimethylbenzidine,3,3'-	μg/kg							
Dimethylbenzo[a]anthracene,7,12-	μg/kg							
Dimethylphenethylamine,alpha,alpha-	μg/kg							
Dimethylphenol,2,4-	μg/kg	<420						<360
Dinitro-o-cresol,4,6-	μg/kg	<420						<360
Dinitrobenzene,1,3-	μg/kg							
Dinitrophenol,2,4-	μg/kg	<420						<360
Dinitrotoluene,2,4-	μg/kg	<420						<360
Dinitrotoluene,2,6-	μg/kg	<420						<360
Diphenylamine	μg/kg							
Diphenylhydrazine, 1,2-	μg/kg	<420						<360
Ethyl Methanesulfonate	μg/kg							
Fluoranthene	μg/kg	<420						<360
Fluorene	μg/kg	<420						<360
Hexachlorobenzene	μg/kg	<420						<360
Hexachlorobutadiene	μg/kg	<420						<360
Hexachlorocyclopentadiene	μg/kg	<420						<360
Hexachloroethane	μg/kg	<420						<360
Hexachloropropylene	μg/kg							
Indeno(1,2,3-cd)pyrene	μg/kg	<420						<360
Isophorone	μg/kg	<420						<360
Isosafrole	μg/kg							
Methapyrilene	μg/kg							



Page 228 of 248

								Page 228 of 24
	Location ID	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-81	SK-SB-81
	Sample ID	1018013	1018013	1018014	1018015	1018016	1018017	1018018
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	13:30	13:30	13:35	13:40	13:45	14:00	14:10
	Sample Depth	8' - 10'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	AEL	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	AEL96010417	96-4627-587	96-4628-588	96-4629-589	96-4630-590	96-4631-591	AEL96010418
Constituent	Units							
Methyl Methanesulfonate	μg/kg							
Methylcholanthrene,3-	μg/kg							
Methylnaphthalene,2-	μg/kg							
N-nitroso-di-n-butylamine	μg/kg							
N-nitroso-n-propylamine	μg/kg	<420						<360
N-nitrosodiethylamine	μg/kg							
N-nitrosodimethylamine	μg/kg	<420						<360
N-nitrosodiphenylamine	μg/kg	<420						<360
N-nitrosomethylethylamine	μg/kg							
N-nitrosomorpholine	μg/kg							
N-nitrosopiperidine	μg/kg							
Naphthalene	μg/kg	<420						<360
Naphthoquinone,1,4-	μg/kg							
Naphthylamine,alpha-	μg/kg							
Naphthylamine,beta-	μg/kg							
Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,2-	μg/kg							
Nitroaniline,3-	μg/kg							
Nitroaniline,4-	μg/kg							
Nitrobenzene	μg/kg	<420						<360
Nitrophenol,2-	μg/kg	<420						<360
Nitrophenol,4-	μg/kg	<420						<360
Nitroquinoline-1-oxide,4-	μg/kg							
Nitrosopyrrolidine,n-	μg/kg							
Pentachlorophenol	μg/kg	<420						<360
Phenacetin	μg/kg							
Phenanthrene	μg/kg	<420						<360
Phenol	μg/kg	<420						<360

Page 229 of 248

								Page 229 of 2
	Location ID	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-81	SK-SB-81
	Sample ID	1018013	1018013	1018014	1018015	1018016	1018017	1018018
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	13:30	13:30	13:35	13:40	13:45	14:00	14:10
	Sample Depth	8' - 10'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	AEL	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	AEL96010417	96-4627-587	96-4628-588	96-4629-589	96-4630-590	96-4631-591	AEL96010418
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg							
Picoline,2-	μg/kg							
Pronamide	μg/kg							
Propane),2,2'-oxybis(1-chloro-	μg/kg							
Propane),2,2'-oxybis(2-chloro-	μg/kg	<420						<360
Pyrene	μg/kg	<420						<360
Pyridine	μg/kg							
Safrole	μg/kg							
Tetrachlorobenzene, 1,2,4,5-	μg/kg							
Tetrachlorophenol,2,3,4,6-	μg/kg							
Toluidine,o-	μg/kg							
Trichlorobenzene, 1, 2, 4-	μg/kg	<420						<360
Trichlorophenol,2,4,5-	μg/kg							
Trichlorophenol,2,4,6-	μg/kg	<420						<360
Triethyl Phosphorothioate,o,o,o-	μg/kg							
Acetone	μg/kg	<29						<25
Acrolein	μg/kg	<14						<12
Acrylonitrile	μg/kg	<14						<12
Allyl Chloride	μg/kg							
Benzene	μg/kg	<5.7						<4.9
Benzene (screening)	μg/kg		<8 nc	<8 nc	<8	<8	<6	
Bromobenzene	μg/kg	<5.7						<4.9
Bromoform	μg/kg	<5.7						<4.9
Carbon Disulfide	μg/kg	<5.7						<4.9
Carbon Tetrachloride	μg/kg	<5.7						<4.9
Chlorobenzene	μg/kg	<5.7						<4.9
Chlorodibromomethane	μg/kg	<5.7						<4.9
Chloroethane	μg/kg	<5.7						<4.9



Page 230 of 248

								Page 230 of 248
	Location ID	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-81	SK-SB-81
	Sample ID	1018013	1018013	1018014	1018015	1018016	1018017	1018018
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	13:30	13:30	13:35	13:40	13:45	14:00	14:10
	Sample Depth	8' - 10'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	AEL	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	AEL96010417	96-4627-587	96-4628-588	96-4629-589	96-4630-590	96-4631-591	AEL96010418
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg	<5.7						<4.9
Chloroform	μg/kg	<5.7						<4.9
Chloroprene, beta-	μg/kg							
Chlorotoluene,o-	μg/kg	<5.7						<4.9
Chlorotoluene,p-	μg/kg	<5.7						<4.9
Dibromomethane	μg/kg	<5.7						<4.9
Dichlorobenzene,1,2-	μg/kg	<5.7						<4.9
Dichlorobenzene,1,3-	μg/kg	<5.7						<4.9
Dichlorobenzene, 1,4-	μg/kg	<5.7						<4.9
Dichlorobromomethane	μg/kg	<5.7						<4.9
Dichlorodifluoromethane	μg/kg	<5.7						<4.9
Dichloroethane, 1, 1-	μg/kg	<5.7						<4.9
Dichloroethane,1,2-	μg/kg	<5.7						<4.9
Dichloroethylene,1,1-	μg/kg	<5.7						<4.9
Dichloroethylene, 1, 2-cis-	μg/kg	<5.7						<4.9
Dichloroethylene, 1,2-trans-	μg/kg	<5.7						<4.9
Dichloropropane,1,2-	μg/kg	<5.7						<4.9
Dichloropropylene, 1,3-	μg/kg							
Dichloropropylene, 1, 3-cis-	μg/kg	<5.7						<4.9
Dichloropropylene, 1, 3-trans-	μg/kg	<5.7						<4.9
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg	<5.7						<4.9
Ethylbenzene (screening)	μg/kg		<17 nc	<17 nc	<16	<17	<13	
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg	<14						<12
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg							

Notes: 1. Printed on 07/16/98

 $\mathsf{LE}\Delta$ 

#### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 231 of 248

								Page 231 of 24
	Location ID	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-81	SK-SB-81
	Sample ID	1018013	1018013	1018014	1018015	1018016	1018017	1018018
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	13:30	13:30	13:35	13:40	13:45	14:00	14:10
	Sample Depth	8' - 10'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	AEL	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	AEL96010417	96-4627-587	96-4628-588	96-4629-589	96-4630-590	96-4631-591	AEL96010418
Constituent	Units							
Methyl Chloride	μg/kg	<5.7						<4.9
Methyl Ethyl Ketone	μg/kg	<14						<12
Methyl Methacrylate	μg/kg							
Methyl-2-pentanone,4-	µg/kg	<14						<12
Methyl-tert-butyl Ether	μg/kg	<5.7						<4.9
Methylene Chloride	μg/kg	<11						<4.9
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg							
Pentachloronitrobenzene	μg/kg							
Propionitrile	μg/kg							
Styrene	μg/kg	<5.7						<4.9
Tetrachloroethane, 1, 1, 1, 2-	μg/kg	<5.7						<4.9
Tetrachloroethane, 1, 1, 2, 2-	μg/kg	<5.7						<4.9
Tetrachloroethylene	μg/kg	<5.7 N1						<4.9
Tetrachloroethylene (screening)	μg/kg		10 J nc	5 J nc	6 J	<22	23	
Toluene	μg/kg	<5.7						<4.9
Toluene (screening)	μg/kg		<12 nc	<12 nc	<12	<12	<9	
Trichloroethane,1,1,1-	μg/kg	<5.7						<4.9
Trichloroethane,1,1,1-(screening)	μ <b>g</b> /kg		<219 nc	<219 nc	<207	<215	<168	
Trichloroethane, 1, 1, 2-	μg/kg	<5.7						<4.9
Trichloroethylene	μg/kg	<5.7						<4.9
Trichloroethylene (screening)	μg/kg		1 Jnc	<22 nc	<20	<21	3 J	
Trichloromonofluoromethane	μg/kg	<5.7						<4.9
Trichloropropane, 1, 2, 3-	μg/kg	<5.7						<4.9
Vinyl Acetate	μg/kg	<5.7						<4.9
Vinyl Chloride	μg/kg	<5.7						<4.9
Xylene,o- (screening)	μg/kg							
Xylenes (Total)	μg/kg	<5.7		,		·		<4.9

Page 232 of 248

								Page 232 o
	Location ID	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-80	SK-SB-81	SK-SB-81
	Sample ID	1018013	1018013	1018014	1018015	1018016	1018017	1018018
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	13:30	13:30	13:35	13:40	13:45	14:00	14:10
	Sample Depth	8' - 10'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	AEL	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	AEL96010417	96-4627-587	96-4628-588	96-4629-589	96-4630-590	96-4631-591	AEL96010418
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg	1						
			1					
				_				
								~ <del> </del>
		<del>                                     </del>	<del></del>	<del></del>	<del></del>			
		<del></del>				_		
		<del></del>						<del></del>
		<u> </u>						
				_				
						_		
***************************************		1						
		1						
			<del> </del>	<del></del>				

Notes: 1. Printed on 07/16/98

LEA

								Page 233 of 2
	Location ID	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81
	Sample ID	1018018	1018019	1018020	1018020	1018021	1018022	1018023
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	14:10	14:20	14:25	14:25	14:35	14:45	14:50
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	96-4633-593	96-4634-594	AEL96010419	96-4635-593	96-4636-594	96-4637-595	96-4638-596
Constituent	Units							
Date Metals Analyzed	-			09/24/1996				
Date Organics Analyzed	-	09/16/1996	09/16/1996	09/20/1996	09/16/1996	09/16/1996	09/16/1996	09/16/1996
Date Physical Analysed	-			10/07/1996				
Date Semi-volatile Organics Analyzed	-			10/10/1996				
Dinoseb	μg/kg							
Arsenic	mg/kg			8.1				
Barium	mg/kg			13.8				
Cadmium	mg/kg			<3.55				
Chromium	mg/kg			6.27				
Lead	mg/kg			<23.7				
Mercury	mg/kg			<0.237				
Nickel	mg/kg			<11.8				
Selenium	mg/kg			<1.18				
Silver	mg/kg			<5.92				
Zinc	mg/kg			13.8				
Acetylaminofluorene,2-	μg/kg							
Aramite	μg/kg							
Dibromo-3-chloropropane,1,2-	μg/kg							
Dimethoate	μg/kg							
Disulfoton	μg/kg							
Famphur	μg/kg							
Phorate	μg/kg							
Total Petroleum Hydrocarbons	mg/kg			<39.9				
Acenaphthene	μg/kg			<400				
Acenaphthylene	μg/kg			<400				
Acetophenone	μg/kg							
Aminobiphenyl,4-	μg/kg			,				
Aniline	μg/kg	1						

Page 234 of 248

							Page 234 of 24
Location ID	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81
Sample ID	1018018	1018019	1018020	1018020	1018021	1018022	1018023
Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
Sample Time	14:10	14:20	14:25	14:25	14:35	14:45	14:50
Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
Lab. Number	96-4633-593	96-4634-594	AEL96010419	96-4635-593	96-4636-594	96-4637-595	96-4638-596
Units							
μg/kg			<400				
μg/kg			<400				
μg/kg			<400				
μg/kg			<400				
μg/kg			<400				
μg/kg			<400				
μg/kg			<400				
μg/kg							
μg/kg	<u> </u>		<400				
μg/kg			<400				
μg/kg			<400				
μg/kg			<400				
μg/kg	<u> </u>		<400				
μg/kg							
μg/kg	<u></u>						
μg/kg							
μg/kg			<400				
μg/kg			<400				
μg/kg			<400				
μg/kg			<400				
μg/kg							
	T						
μg/kg							
μg/kg			2000				
μg/kg			<400				
			<400				
μg/kg			1				
	Sample ID Sample Date Sample Time Sample Depth Laboratory Lab. Number Units  µg/kg	Sample ID 1018018  Sample Date 09/13/1996  Sample Time 14:10  Sample Depth 2'- 4'  Laboratory LEA  Lab. Number 96-4633-593  Units  µg/kg	Sample ID 1018018 1018019  Sample Date 09/13/1996 09/13/1996  Sample Time 14:10 14:20  Sample Depth 2' - 4' 4' - 6'  Laboratory LEA LEA  Lab. Number 96-4633-593 96-4634-594  Units	Sample ID 1018018 1018019 1018020 Sample Date 09/13/1996 09/13/1996 09/13/1996 Sample Time 14:10 14:20 14:25 Sample Depth 2' - 4' 4' - 6' 6' - 8' Laboratory LEA LEA AEL Lab. Number 96-4633-593 96-4634-594 AEL96010419 Units  µg/kg	Sample ID   1018018   1018019   1018020   1018020   Sample Date   09/13/1996   0	Sample ID 1018018 1018019 1018020 1018020 1018021  Sample Date 09/13/1996 09/13/1996 09/13/1996 09/13/1996 09/13/1996  Sample Time 14:10 14:20 14:25 14:25 14:35  Sample Depth 2'-4' 4'-6' 6'-8' 6'-8' 8'-10'  Laboratory LEA LEA AEL LEA LEA LEA LEA LEA LEA LEA	Sample ID 1018018 1018019 1018020 1018020 1018021 1018022 Sample Date 09/13/1996 09/13/1

Notes: 1. Printed on 07/16/98

LEΔ

								Page 235 of 248
	Location ID	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81
	Sample ID	1018018	1018019	1018020	1018020	1018021	1018022	1018023
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	14:10	14:20	14:25	14:25	14:35	14:45	14:50
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	96-4633-593	96-4634-594	AEL96010419	96-4635-593	96-4636-594	96-4637-595	96-4638-596
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg			<400				
Dichlorophenol,2,4-	μg/kg			<400				
Diethyl Phthalate	μg/kg			<400				
Dimethyl Phthalate	μg/kg	<u>.</u>		<400				
Dimethylaminoazobenzene,4-	μg/kg							
Dimethylbenzidine,3,3'-	μg/kg	·						
Dimethylbenzo[a]anthracene,7,12-	μg/kg							
Dimethylphenethylamine,alpha,alpha-	μg/kg							
Dimethylphenol,2,4-	μg/kg			<400				
Dinitro-o-cresol,4,6-	μg/kg			<400				
Dinitrobenzene,1,3-	μg/kg							
Dinitrophenol,2,4-	μg/kg			<400				
Dinitrotoluene,2,4-	μg/kg			<400				
Dinitrotoluene,2,6-	μg/kg			<400				
Diphenylamine	μg/kg							
Diphenylhydrazine, 1,2-	μg/kg			<400				
Ethyl Methanesulfonate	μg/kg							
Fluoranthene	μg/kg			<400				
Fluorene	μg/kg			<400				
Hexachlorobenzene	μg/kg			<400				
Hexachlorobutadiene	μg/kg			<400				
Hexachlorocyclopentadiene	μg/kg			<400				
Hexachloroethane	μg/kg			<400				
Hexachloropropylene	μg/kg							
Indeno(1,2,3-cd)pyrene	μg/kg			<400				
Isophorone	μg/kg			<400				
Isosafrole	μg/kg							
Methapyrilene	μg/kg							



Page 236 of 248

								Page 236 of 24
	Location ID	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81
	Sample ID	1018018	1018019	1018020	1018020	1018021	1018022	1018023
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	14:10	14:20	14:25	14:25	14:35	14:45	14:50
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	96-4633-593	96-4634-594	AEL96010419	96-4635-593	96-4636-594	96-4637-595	96-4638-596
Constituent	Units							
Methyl Methanesulfonate	μg/kg							
Methylcholanthrene,3-	μg/kg							
Methylnaphthalene,2-	μg/kg							
N-nitroso-di-n-butylamine	μg/kg							
N-nitroso-n-propylamine	μg/kg			<400				
N-nitrosodiethylamine	μg/kg							
N-nitrosodimethylamine	μg/kg			<400				
N-nitrosodiphenylamine	μg/kg			<400				
N-nitrosomethylethylamine	μg/kg							
N-nitrosomorpholine	μg/kg							
N-nitrosopiperidine	μg/kg							
Naphthalene	μg/kg			<400				
Naphthoquinone, 1,4-	μg/kg							
Naphthylamine,alpha-	μg/kg						1	
Naphthylamine,beta-	μg/kg							
Nitro-o-toluidine,5-	μg/kg							
Nitroaniline,2-	μg/kg							
Nitroaniline,3-	μg/kg							
Nitroaniline,4-	μg/kg							
Nitrobenzene	μg/kg			<400				
Nitrophenol,2-	μg/kg			<400				
Nitrophenol,4-	μg/kg			<400				
Nitroquinoline-1-oxide,4-	μg/kg							
Nitrosopyrrolidine,n-	μg/kg							
Pentachlorophenol	μg/kg			<400				
Phenacetin	μg/kg							
Phenanthrene	μg/kg			<400				
Phenol	μg/kg			<400				



Page 237 of 248

								Page 237 of 248
	Location ID	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81
	Sample ID	1018018	1018019	1018020	1018020	1018021	1018022	1018023
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	14:10	14:20	14:25	14:25	14:35	14:45	14:50
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	96-4633-593	96-4634-594	AEL96010419	96-4635-593	96-4636-594	96-4637-595	96-4638-596
Constituent	Units							
Phenylenediamine, 1,4-	μg/kg							
Picoline,2-	μg/kg							
Pronamide	μg/kg							
Propane),2,2'-oxybis(1-chloro-	μg/kg							
Propane),2,2'-oxybis(2-chloro-	μg/kg			<400				
Pyrene	μg/kg			<400				
Pyridine	μg/kg							
Safrole	μg/kg							
Tetrachlorobenzene, 1, 2, 4,5-	μg/kg							
Tetrachlorophenol, 2, 3, 4, 6-	μg/kg							
Toluidine,o-	μg/kg							
Trichlorobenzene,1,2,4-	μg/kg			<400				
Trichlorophenol,2,4,5-	μg/kg							
Trichlorophenol,2,4,6-	μg/kg			<400				
Triethyl Phosphorothioate,o,o,o-	μg/kg							
Acetone	μg/kg			<28				
Acrolein	μg/kg			<14				
Acrylonitrile	μg/kg			<14				
Allyl Chloride	μg/kg							
Benzene	μg/kg			<5.5				
Benzene (screening)	μg/kg	<8	<7		<8	<7	<7	<8
Bromobenzene	μg/kg			<5.5				
Bromoform	μg/kg			<5.5				
Carbon Disulfide	μg/kg			<5.5				
Carbon Tetrachloride	μg/kg			<5.5				
Chlorobenzene	μg/kg			<5.5				
Chlorodibromomethane	μg/kg			<5.5				
Chloroethane	μg/kg			<5.5				



Page 238 of 248

								Page 238 of 24
	Location ID	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81
	Sample ID	1018018	1018019	1018020	1018020	1018021	1018022	1018023
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	14:10	14:20	14:25	14:25	14:35	14:45	14:50
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	96-4633-593	96-4634-594	AEL96010419	96-4635-593	96-4636-594	96-4637-595	96-4638-596
Constituent	Units							
Chloroethyl Vinyl Ether,2-	μg/kg			<5.5				
Chloroform	μg/kg			<5.5				
Chloroprene,beta-	μg/kg							
Chlorotoluene,o-	μg/kg			<5.5				
Chlorotoluene,p-	μg/kg			<5.5				
Dibromomethane	μg/kg			<5.5				
Dichlorobenzene,1,2-	μg/kg			<5.5				
Dichlorobenzene,1,3-	μg/kg			<5.5				
Dichlorobenzene,1,4-	μg/kg			<5.5				
Dichlorobromomethane	μg/kg			<5.5				
Dichlorodifluoromethane	μg/kg			<5.5				
Dichloroethane, 1, 1-	μg/kg			<5.5				
Dichloroethane, 1,2-	μg/kg			<5.5				
Dichloroethylene, 1,1-	μg/kg			<5.5				
Dichloroethylene, 1, 2-cis-	μg/kg			<5.5				
Dichloroethylene, 1,2-trans-	μg/kg			<5.5				
Dichloropropane,1,2-	μg/kg			<5.5				
Dichloropropylene, 1,3-	μg/kg							
Dichloropropylene,1,3-cis-	μg/kg			<5.5				
Dichloropropylene, 1,3-trans-	μg/kg			<5.5				
Ethyl Methacrylate	μg/kg							
Ethylbenzene	μg/kg			<5.5				
Ethylbenzene (screening)	μg/kg	<17	<15		<16	<15	<16	<16
Ethylene Dibromide	μg/kg							
Hexanone,2-	μg/kg			<14				
Iodomethane	μg/kg							
Methacrylonitrile	μg/kg							
Methyl Bromide	μg/kg			<5.5		ł		

Notes: 1. Printed on 07/16/98

LΕΔ

								Page 239 of 24
	Location ID	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81
	Sample ID	1018018	1018019	1018020	1018020	1018021	1018022	1018023
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	14:10	14:20	14:25	14:25	14:35	14:45	14:50
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	96-4633-593	96-4634-594	AEL96010419	96-4635-593	96-4636-594	96-4637-595	96-4638-596
Constituent	Units							
Methyl Chloride	μg/kg			<5.5	-			
Methyl Ethyl Ketone	μg/kg			<14				
Methyl Methacrylate	μg/kg							
Methyl-2-pentanone,4-	μg/kg			<14				
Methyl-tert-butyl Ether	μg/kg			<5.5				
Methylene Chloride	μg/kg			<8.3				
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg							
Pentachloronitrobenzene	μg/kg							
Propionitrile	μg/kg							
Styrene	μg/kg			<5.5				
Tetrachloroethane, 1, 1, 1, 2-	μg/kg			<5.5				
Tetrachloroethane, 1, 1, 2, 2-	μg/kg			<5.5				
Tetrachloroethylene	μg/kg			<5.5				
Tetrachloroethylene (screening)	μg/kg	63	7 J		20 J	10 J	20 J	6 J
Γoluene	μg/kg	<u></u>		<5.5				
Foluene (screening)	μg/kg	<12	<11		<12	<11	<11	<12
Γrichloroethane,1,1,1-	μg/kg			<5.5				
Γrichloroethane, 1, 1, 1- (screening)	μg/kg	<215	<188		<207	<188	<195	<207
Trichloroethane,1,1,2-	μg/kg			<5.5				
Trichloroethylene	μg/kg			<5.5				
Trichloroethylene (screening)	μg/kg	5 J	<19		<20	<19	<19	<20
Trichloromonofluoromethane	μg/kg			<5.5				
Frichloropropane, 1, 2, 3-	μg/kg			<5.5				
Vinyl Acetate	μg/kg			<5.5				
Vinyl Chloride	μg/kg			<5.5				
Xylene,o- (screening)	μg/kg							
Kylenes (Total)	μg/kg			<5.5				



Page 240 of 248

								Page 240 of 2
	Location ID	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81	SK-SB-81
	Sample ID	1018018	1018019	1018020	1018020	1018021	1018022	1018023
	Sample Date	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996	09/13/1996
	Sample Time	14:10	14:20	14:25	14:25	14:35	14:45	14:50
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	12' - 14'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	96-4633-593	96-4634-594	AEL96010419	96-4635-593	96-4636-594	96-4637-595	96-4638-596
Constituent	Units							
Xylenes,m- & p- (screening)	μg/kg							
								·
		1						
		-						
		<del>                                     </del>						-
				<del>-  </del>				
		-		+				
		<del> </del>		<del></del>				
		1						
		<del>-</del>						<del></del>

Notes: 1. Printed on 07/16/98

 $\mathsf{LE}\Delta$ 

Page 241 of 248

			Page 241 of 248
	Location ID	SK-SB-81	
	Sample ID	1018024	
	Sample Date	09/13/1996	
	Sample Time	15:00	
	Sample Depth	14' - 15'	
	Laboratory	LEA	
	Lab. Number	96-4639-597	
Constituent	Units		
Date Metals Analyzed	-		
Date Organics Analyzed	-	09/16/1996	
Date Physical Analysed	-		
Date Semi-volatile Organics Analyzed	-		
Dinoseb	μg/kg		
Arsenic	mg/kg		
Barium	mg/kg		
Cadmium	mg/kg		
Chromium	mg/kg		
Lead	mg/kg		
Mercury	mg/kg		
Nickel	mg/kg		
Selenium	mg/kg		
Silver	mg/kg		
Zinc	mg/kg		
Acetylaminofluorene,2-	μg/kg		
Aramite	μ <b>g</b> /kg		
Dibromo-3-chloropropane,1,2-	μg/kg		
Dimethoate	μg/kg		
Disulfoton	μg/kg		
Famphur	μg/kg		
Phorate	μg/kg		
Total Petroleum Hydrocarbons	mg/kg		
Acenaphthene	μg/kg		
Acenaphthylene	μg/kg		
Acetophenone	μg/kg		
Aminobiphenyl,4-	μg/kg		
Aniline	μg/kg		
Notes: 1 Printed on 07/16/98			



Page 242 of 248

			·	 	 	Page 242 01 246
	Location ID	SK-SB-81				
	Sample ID	1018024				
	Sample Date	09/13/1996				
	Sample Time	15:00				
	Sample Depth	14' - 15'				
	Laboratory	LEA				
	Lab. Number	96-4639-597				
Constituent	Units					
Anthracene	μg/kg					
Benzidine	μg/kg					
Benzo[a]anthracene	μg/kg					
Benzo[a]pyrene	μg/kg					
Benzo[b]fluoranthene	μg/kg					
Benzo[ghi]perylene	μg/kg					
Benzo[k]fluoranthene	μg/kg					
Benzyl Alcohol	μg/kg					
Bis(2-chloroethoxy)methane	μg/kg					
Bis(2-chloroethyl) Ether	μg/kg					
Bis(2-ethylhexyl)phthalate	μg/kg					
Bromophenyl Phenyl Ether,4-	μg/kg					
Butyl Benzyl Phthalate	μg/kg					
Carbazole	μg/kg					
Chloro-m-cresol,p-	μg/kg	,				
Chloroaniline,4-	μg/kg					
Chloronaphthalene,2-	μg/kg					
Chlorophenol,2-	μg/kg					
Chlorophenyl Phenyl Ether,4-	μg/kg					
Chrysene	μg/kg	<u> </u>				
Cresol,2-	μg/kg					
Cresol,3-	μg/kg			<u> </u>		
Cresol,4-	μg/kg					
Di-n-butyl Phthalate	μg/kg					
Di-n-octyl Phthalate	μg/kg					
Dibenzo[a,h]anthracene	μg/kg					
Dibenzofuran	μg/kg					
Dichloro-2-butylene, 1,4-trans-	μg/kg					

DRAFT

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

				,	, <del>.</del>		·	Page 243 of 248
	Location ID	SK-SB-81						
	Sample ID	1018024						
	Sample Date	09/13/1996						
	Sample Time	15:00						
	Sample Depth	14' - 15'						
	Laboratory	LEA						
	Lab. Number	96-4639-597						
Constituent	Units							
Dichlorobenzidine,3,3'-	μg/kg							
Dichlorophenol,2,4-	μg/kg							
Diethyl Phthalate	μg/kg							
Dimethyl Phthalate	'nã/kã			<u> </u>				
Dimethylaminoazobenzene,4-	μg/kg							
Dimethylbenzidine,3,3'-	μg/kg							
Dimethylbenzo[a]anthracene,7,12-	μg/kg							
Dimethylphenethylamine,alpha,alpha-	μg/kg							
Dimethylphenol,2,4-	μg/kg							
Dinitro-o-cresol,4,6-	μg/kg							
Dinitrobenzene,1,3-	μg/kg							
Dinitrophenol,2,4-	μg/kg							
Dinitrotoluene,2,4-	μg/kg							
Dinitrotoluene,2,6-	μg/kg							
Diphenylamine	μg/kg			<u> </u>				
Diphenylhydrazine, 1,2-	μg/kg		<u> </u>					
Ethyl Methanesulfonate	μg/kg		· ·	<u> </u>				
Fluoranthene	μg/kg							
Fluorene	μg/kg		<u> </u>					
Hexachlorobenzene	μg/kg			ļ		<u> </u>		
Hexachlorobutadiene	μg/kg					<u></u>		<u> </u>
Hexachlorocyclopentadiene	μg/kg							
Hexachloroethane	μg/kg							
Hexachloropropylene	μg/kg							
Indeno(1,2,3-cd)pyrene	μg/kg							
Isophorone	μg/kg							
Isosafrole	μg/kg							
Methapyrilene	μg/kg							
V-t								

#### DRAFT

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

						 	Page 244 of 248
	Location ID	SK-SB-81					
	Sample ID	1018024					
	Sample Date	09/13/1996					
	Sample Time	15:00					
	Sample Depth	14' - 15'					
	Laboratory	LEA					
	Lab. Number	96-4639-597					
Constituent	Units						
Methyl Methanesulfonate	μg/kg						
Methylcholanthrene,3-	μg/kg						
Methylnaphthalene,2-	μg/kg			<u> </u>			
N-nitroso-di-n-butylamine	μg/kg	ļ		<u> </u>			
N-nitroso-n-propylamine	μg/kg		<u> </u>				
N-nitrosodiethylamine	μg/kg	<u> </u>					
N-nitrosodimethylamine	μg/kg	<u> </u>					
N-nitrosodiphenylamine	μg/kg						
N-nitrosomethylethylamine	μg/kg	<u> </u>					<u> </u>
N-nitrosomorpholine	μg/kg	<u> L</u>					
N-nitrosopiperidine	μg/kg	<u></u>					
Naphthalene	μg/kg	<u> </u>		<u> </u>			<u></u>
Naphthoquinone, 1,4-	μg/kg	<u> </u>		<u> </u>			
Naphthylamine,alpha-	μg/kg	L		<u> </u>			<u> </u>
Naphthylamine, beta-	μg/kg	<u> </u>				<u> </u>	
Nitro-o-toluidine,5-	μg/kg	<u> </u>			Ĺ	 <u></u>	
Nitroaniline,2-	μg/kg						
Nitroaniline,3-	μg/kg						
Nitroaniline,4-	μg/kg						
Nitrobenzene	μg/kg						
Nitrophenol,2-	μg/kg						
Nitrophenol,4-	μg/kg						
Nitroquinoline-1-oxide,4-	μg/kg						
Nitrosopyrrolidine,n-	μg/kg						
Pentachlorophenol	μg/kg						
Phenacetin	μg/kg						
Phenanthrene	μg/kg						
Phenol	μg/kg						
0257/00							

Notes: 1. Printed on 07/16/98

LEΔ

#### DRAFT

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

							Page 245 of 248
	Location ID	SK-SB-81					
	Sample ID	1018024					
	Sample Date	09/13/1996					
	Sample Time	15:00					
	Sample Depth	14' - 15'					
	Laboratory	LEA					
	Lab. Number	96-4639-597					
Constituent	Units						
Phenylenediamine, 1,4-	μg/kg		<u> </u>				L
Picoline,2-	μg/kg					 <u> </u>	
Pronamide	μg/kg					 	
Propane),2,2'-oxybis(1-chloro-	μg/kg	ļ		<u> </u>	l 		
Propane),2,2'-oxybis(2-chloro-	μg/kg						
Pyrene	μg/kg						
Pyridine	μg/kg		ļ				
Safrole	μg/kg			<u> </u>			
Tetrachlorobenzene, 1, 2, 4, 5-	μg/kg					<u> </u>	
Tetrachlorophenol,2,3,4,6-	μg/kg						
Toluidine,o-	μ <b>g</b> /kg		<u> </u>				
Trichlorobenzene,1,2,4-	μg/kg		<u> </u>	L			
Trichlorophenol,2,4,5-	μg/kg		<u> </u>				
Trichlorophenol,2,4,6-	μg/kg						<u> </u>
Triethyl Phosphorothioate,0,0,0-	μg/kg						
Acetone	μg/kg						
Acrolein	μg/kg						
Acrylonitrile	μg/kg						
Allyl Chloride	μg/kg		ļ				
Benzene	μg/kg						
Benzene (screening)	μg/kg	<8					
Bromobenzene	μg/kg		<u> </u>				
Bromoform	μg/kg						
Carbon Disulfide	μg/kg	<u> </u>	<u> </u>				
Carbon Tetrachloride	μg/kg					<u> </u>	
Chlorobenzene	μg/kg						
Chlorodibromomethane	μg/kg		<u> </u>				
Chloroethane	μg/kg	<u> </u>					
050600						<u> </u>	<u> </u>

Page 246 of 248

			 			Page 246 of 248
	Location ID	SK-SB-81				
	Sample ID	1018024				
	Sample Date	09/13/1996				
	Sample Time	15:00				
i	Sample Depth	14' - 15'				
	Laboratory	LEA				
	Lab. Number	96-4639-597				
Constituent	Units					
Chloroethyl Vinyl Ether,2-	μg/kg					
Chloroform	μg/kg					
Chloroprene, beta-	μg/kg					
Chlorotoluene,o-	μg/kg					
Chlorotoluene,p-	μg/kg					
Dibromomethane	μg/kg					
Dichlorobenzene, 1,2-	μg/kg					
Dichlorobenzene, 1,3-	μg/kg					
Dichlorobenzene, 1,4-	μg/kg					
Dichlorobromomethane	μg/kg					
Dichlorodifluoromethane	μg/kg					
Dichloroethane, 1, 1-	μg/kg	3				
Dichloroethane,1,2-	μg/kg					
Dichloroethylene,1,1-	μg/kg					
Dichloroethylene, 1, 2-cis-	μg/kg	Í				
Dichloroethylene, 1,2-trans-	μg/kg					
Dichloropropane, 1,2-	μg/kg					
Dichloropropylene, 1,3-	μg/kg					
Dichloropropylene, 1, 3-cis-	μg/kg					
Dichloropropylene, 1,3-trans-	μg/kg					
Ethyl Methacrylate	μg/kg					
Ethylbenzene	μg/kg					
Ethylbenzene (screening)	μg/kg	<17				
Ethylene Dibromide	μg/kg				,	
Hexanone,2-	μg/kg					
Iodomethane	μg/kg					
Methacrylonitrile	μg/kg					
Methyl Bromide	μg/kg					
Notes: 1 Printed on 07/16/08						

Notes: 1. Printed on 07/16/98

LEA

DRAFT

#### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

								Page 247 of 248
	Location ID	SK-SB-81						
	Sample ID	1018024						
	Sample Date	09/13/1996						
	Sample Time	15:00						
	Sample Depth	14' - 15'						
	Laboratory	LEA						
	Lab. Number	96-4639-597						
Constituent	Units							
Methyl Chloride	μg/kg							
Methyl Ethyl Ketone	μg/kg							
Methyl Methacrylate	μg/kg							
Methyl 2 pentanone,4-	μg/kg							
Methyl-tert-butyl Ether	μg/kg							
Methylene Chloride	μg/kg							
Pentachlorobenzene	μg/kg							
Pentachloroethane	μg/kg	<u> </u>						
Pentachloronitrobenzene	μg/kg							
Propionitrile	μg/kg	<u> </u>						
Styrene	μg/kg							
Tetrachloroethane,1,1,1,2-	μg/kg			<u> </u>				
Tetrachloroethane, 1, 1, 2, 2-	μg/kg							
Tetrachloroethylene	μg/kg							
Tetrachloroethylene (screening)	μg/kg	<22			<u> </u>		<u> </u>	
Toluene	μg/kg							
Toluene (screening)	μg/kg	<12						
Trichloroethane, 1, 1, 1-	μg/kg							
Trichloroethane, 1, 1, 1- (screening)	μg/kg	<215						
Trichloroethane, 1,1,2-	μg/kg					L		
Trichloroethylene	μg/kg							
Trichloroethylene (screening)	μg/kg	<21						
Trichloromonofluoromethane	μg/kg							
Trichloropropane,1,2,3-	μg/kg							
Vinyl Acetate	μg/kg							
Vinyl Chloride	μg/kg							
Xylene,o- (screening)	μg/kg		` .					
Xylenes (Total)	μg/kg							
Notes: 1 Debug 1 - 07/12/09				1		l		



#### DRAFT

### SUMMARY OF ANALYTICAL RESULTS - SOIL P&W East Hartford: CRYOGENICS BUILDING AND UNDERGROUND STORAGE TANK

Page 248 of 248 SK-SB-81 Location ID Sample ID 1018024 Sample Date 09/13/1996 Sample Time 15:00 14' - 15' Sample Depth LEA Laboratory Lab. Number 96-4639-597 Units Constituent μg/kg Xylenes,m- & p- (screening)

Notes: 1. Printed on 07/16/98

LΕΔ